

JAMECOTM

ELECTRONIC COMPONENTS

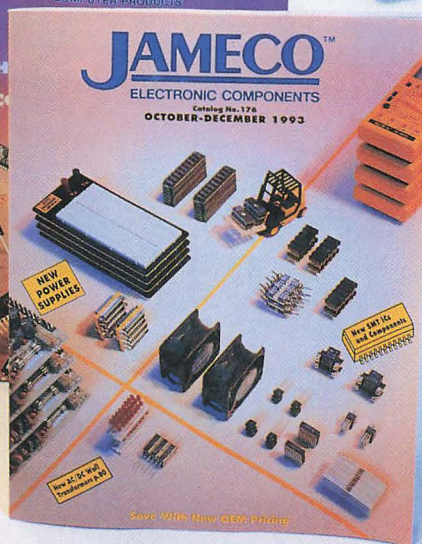
COMPUTER PRODUCTS

Catalog
No. 941

FEBRUARY-APRIL 1994

21 YEARS OF
QUALITY PRODUCTS

No Minimum
Order
(See page 52)



COMPONENTS AND COMPUTER PRODUCTS ALL IN ONE

Components and Compu

Jameco presents its entire product offering in this and all future catalogs. We have combined our component and computer issues into one catalog for your convenience. The component section is located in the front of the catalog and is identified with a blue banner. The computer product offering follows the component section and is marked by a black banner. We have added additional technical data and specification tables to simplify your component shopping requirements. Please look for our catalog quarterly, and call us if you have not received our catalog in the past four months.

Jameco continues to provide the best possible service for its customers. We have extended our operating hours from 6:00AM - 5:00PM PST. We have eliminated our minimum order to better serve you, our customer (details see page 52). We will continue to offer same day shipping for those orders placed by 2PM. 98% of our orders ship within 24 hours. Jameco also prides itself on having 99.5% availability of its 5000 products. Seldom do our customers order a product that we do not have adequate inventory.

You will find 300 new products in this catalog. We have continued to expand many component lines including: AC & DC transformers, fans, power supplies, diodes, leds, displays, modular telephone accessories, sockets, connectors, fuses and holders, cable, sound devices, solderless terminals, and much more. If there is a product you are looking for that you do not see, please feel free to ask any of our sales/customer service representatives. Jameco has also added OEM/Bulk pricing on nearly all of its products throughout the catalog. Please ask for our quotes department on any OEM pricing you may need.

Jameco has been serving electronic and computer buyers for 21 years. We pride ourselves on our low prices, availability and quick order processing time. We hope you enjoy our newly combined catalog, and please feel free to call us with any of your comments, recommendations or inquiries.



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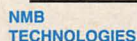
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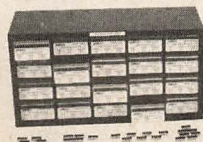


We carry major manufacturers – call for pricing in quantities over 100.

Part No.	Product No.	Pins	Description	1-9	10-99	Part No.	Product No.	Pins	Description	1-9	10-99
48979	7400	14	Quad 2-Input NAND Gate	\$.35	\$.29	49349	74122	14	Retriggerable Mono. Multivibrator w/Clear	\$.89	\$.79
49007	7401	14	Quad 2-Input NAND Gate (Open Collector)	.49	.45	49357	74123	16	Dual Retriggerable Monostable Multivibrator	.49	.45
49015	7402	14	Quad 2-Input NOR Gate	.39	.35	49373	74125	14	Tri-State Quad Bus Buffer (DM8093N)	.49	.45
49031	7403	14	Quad 2-Input NAND Gate (Open Collector)	.29	.25	49381	74126	14	Tri-State Quad Bus Buffer (DM8094N)	.49	.45
49040	7404	14	Hex Inverter (9016)	.39	.35	49390	74128	14	Quad 2-Input NOR Buffer	.69	.59
49074	7405	14	Hex Inverter (Open Collector)	.35	.29	49411	74132	14	Quad Schmitt Trigger	.49	.45
49091	7406	14	Hex Inverter Buffer/Driver (O.C. Hi-Voltage)	.45	.39	49429	74136	14	Quad 2-Input Exclusive-OR Gate	.49	.45
49120	7407	14	Hex Buffer/Driver (O.C. Hi-Voltage)	.45	.39	49453	74141	16	BCD-to-Decimal Decoder/Driver	4.95	4.49
49146	7408	14	Quad 2-Input AND Gate	.45	.39	49470	74145	16	BCD-to-Decimal Decoder/Driver	.79	.69
49189	7410	14	Triple 3-Input NAND Gate	.29	.25	49488	74147	16	10 to 4 Line BCD Priority Encoder	4.95	4.49
49269	7411	14	Triple 3-Input AND (O.C.)	.49	.45	49496	74148	16	8 to 3 Line Octal Priority Encoder (9318)	1.19	1.09
49306	7412	14	Triple 3-Input NAND (O.C.)	.29	.25	49509	74150	24	16 Line to 1 Line Multiplexer	1.69	1.49
49402	7413	14	Dual 4-Input Schmitt Trigger	.35	.29	49525	74151	16	8 Channel Digital Multiplexer	.39	.35
49437	7414	14	Hex Schmitt Trigger Inverter	.35	.29	49541	74152	14	8-Channel Data Selector/Multiplexer	1.95	1.75
49630	7416	14	Hex Inverter Buffer/Driver (O.C. Hi-Voltage)	.35	.29	49550	74153	16	Dual 4/1 Multiplexer	.39	.35
49728	7417	14	Hex Buffer/Driver (O.C. Hi-Voltage)	.35	.29	49568	74154	24	4 to 16 Line Decoder/Demultiplexer (9311)	1.29	1.19
50008	7420	14	Dual 4-Input NAND Gate	.35	.29	49584	74155	16	Dual 2/4 Demultiplexer	.49	.45
50024	7421	14	Dual 4-Input AND Gate	.69	.59	49592	74156	16	Dual 2/4 Demultiplexer (O.C.)	.89	.79
50032	7422	14	Dual 4-Input NAND Gate (Open Collector)	.79	.69	49605	74157	16	Quad 2/1 Data Selector (9322)	.45	.39
50083	7425	14	Dual 4-Input NOR Gate	.45	.39	49613	74158	16	Quad 2/1 Multiplexer (Inv. Out)	.99	.89
50112	7426	14	Quad 2-Input TTL/MOS Inter. Gate	.35	.29	49621	74159	24	1 of 16 Decoder/Demux O/C Outputs	1.49	1.35
50139	7427	14	Triple 3-Input NOR Gate	.35	.29	49648	74160	16	Decade Counter with Asynchronous Clear	.69	.59
50227	7430	14	8-Input NAND Gate	.29	.25	49664	74161	16	Synchronous 4-Bit Counter (9316)	.49	.45
50235	7432	14	Quad 2-Input OR Gate	.49	.45	49672	74163	16	Synchronous 4-Bit Counter	.69	.59
50307	7437	14	Quad 2-Input NAND Buffer	.29	.25	49681	74164	14	8-Bit Serial Shift Register (DM8570N)	.69	.59
50315	7438	14	Quad 2-Input NAND Buffer (Open Collector)	.35	.29	49699	74165	16	Parallel Load 8-bit Serial Shift Reg. (DM8590N)	.99	.89
50358	7440	14	Dual 4-Input NAND Buffer	.29	.25	49701	74166	16	8-Bit Shift Register	.79	.69
50366	7441	16	BCD-to-Decimal Decoder/Nixie TM Driver	2.49	2.25	49710	74167	16	Rate Multiplier	2.95	2.75
50374	7442	16	BCD-to-Decimal Decoder	.49	.45	49744	74170	16	4x4 Register File	1.19	1.09
50391	7444	16	Excess 3-Gray-to-Decimal	1.49	1.35	49761	74173	16	4-Bit Tri-State Register (DM8551N)	.79	.69
50403	7445	16	BCD-to-Decimal Decoder/Driver	.89	.79	49779	74174	16	Hex D Flip Flop with Clear	.49	.45
50411	7446	16	BCD-to-7 Segment Decoder/Driver (30V out)	1.19	1.09	49795	74175	16	Quad D Flip Flop with Clear	.49	.45
50420	7447	16	BCD-to-7 Segment Decoder/Driver (15V out)	1.19	1.09	49816	74177	14	35MHz Presettable Binary Counter (N8281)	.69	.59
50454	7448	16	BCD-to-7 Segment Decoder/Driver	2.95	2.75	49824	74179	16	4-Bit Parallel-Access Shift Register	1.69	1.49
50471	7451	14	Dual 2-Wide 2-in. AND/OR/Invert Gate	.35	.29	49832	74180	14	9-Bit Odd/Even Parity Generator/Checker	.79	.69
50497	7454	14	4-Wide 2-in. AND/OR/Invert Gate	.35	.29	49841	74181	24	Arithmetic Logic Unit	2.49	2.29
50518	7470	14	Edge-Triggered JK Flip-Flop	.79	.69	49859	74182	16	Look-Ahead Carry Generator (9342)	1.09	.99
50526	7472	14	JK Master/Slave Flip-Flop	1.19	1.09	49883	74189	16	Tri-State 64-Bit RAM (DM8599N)	1.95	1.75
50534	7473	14	Dual JK Master/Slave Flip-Flop (DM8501N)	.65	.55	49904	74191	16	Synchronous Binary Up/Down Counter	.89	.79
50551	7474	14	Dual D Flip-Flop	.39	.35	49912	74192	16	Decade Up/Down Counter (DM8560N)	.99	.89
50577	7475	16	4-Bit Bistable Latch	.45	.39	49939	74193	16	Binary Up/Down Counter (DM8563N)	.99	.89
50593	7476	16	Dual JK Master/Slave Flip-Flop	.59	.49	49955	74194	16	4-Bit Bi-Directional Shift Register	1.19	1.09
50631	7483	16	4-Bit Binary Full Adder	.79	.69	49963	74195	16	4-Bit Parallel-Access Shift Register (DM8300N)	.89	.79
50657	7485	16	4-Bit Magnitude Comparator	.45	.39	49971	74197	14	Presettable Binary Counter (N8291)	.69	.59
50665	7486	14	Quad 2-Input Exclusive-OR Gate	.49	.39	49980	74198	24	8-Bit Shift Register	1.69	1.49
50681	7489	16	64-Bit RAM (3101)	2.79	2.59	49998	74199	24	8-Bit Shift Register	1.69	1.49
50690	7490	14	Decade Counter	.79	.69	50041	74221	16	Dual Monostable Multivibrator	.45	.39
50737	7492	14	Divide-by-12 Counter	.99	.89	50091	74251	16	Tri-State 8-Channel Multiplexer (DM8121N)	.99	.89
50745	7493	14	4-Bit Binary Counter	.59	.49	50104	74259	16	8-Bit Addressable Latch (9334)	.99	.89
50770	7495	14	4-Bit Right Shift/Left Shift Register	.49	.39	50121	74265	16	Quad Complementary-Output Elements	.99	.89
50788	7496	16	5-Bit Parallel-IN, Parallel-OUT Shift Register	.79	.69	50155	74273	20	Octal D-Type Flip Flop with Clear	2.49	2.29
50796	7497	16	Synchronous 6-Bit Binary Rate Multipliers	1.25	1.15	50171	74279	16	Quad Set-Reset Latch	.49	.45
49200	74100	24	Dual 4-Bit Bistable Latch	2.95	2.75	50201	74283	16	4-Bit Binary Full Address with Fast Carry	.79	.69
49218	74104	14	Gated J-K Master/Slave Flip-Flop	1.19	1.09	50219	74298	16	Quad 2-Input Multiplexer w/Storage	.59	.49
49226	74105	14	Gated J-K Master/Slave Flip-Flop	1.19	1.09	50260	74365	16	Tri-State Hex Buffer (DM8095N)	.79	.69
49234	74107	14	Dual J-K Master/Slave Flip-Flop	.29	.25	50278	74366	16	Tri-State Hex Buffer Inverter (DM8096N)	.79	.69
49251	74109	16	Dual J-K Pos-Edge Triggered F-F (9024)	.29	.25	50286	74367	16	Tri-State Hex Buffer (DM8097N)	.39	.35
49293	74116	24	Dual 4-Bit Latches w/Clear (9308)	1.39	1.29	50294	74368	16	Tri-State Hex Buffer Inverter (DM8098N)	.79	.69
49314	74120	16	Dual Pulse Synchronizer	1.19	1.09	50331	74390	16	Dual 4-Bit Decade Counter	1.19	1.09
49322	74121	14	Monostable Multivibrator	.49	.45	50340	74393	14	Dual 4-Bit Binary Counter w/Individual Clocks	.89	.79

7400 Series IC Cabinet Kit

Includes the most popular components with extra space for your customized expansion (i.e. New SMT IC product). Includes 330 pcs. (30 series) 7400 (TTL) integrated circuits. See page 38 for additional kits.



5 each	10 each	10 each	10 each	20 each
7483	7402	7420	7485	7400
7489	7405	7432	7486	7404
7490	7410	7447	7493	7406
74154	7411	7473	74121	7407
74192	7414	7475	74123	7408
74193	7417	7476	74125	7474

Part No.	Description	Price
84953	330 pc. 7400 Series IC Cabinet Kit.....	\$129.95

Texas Instruments TTL Logic Standard TTL, Schottky, Low-Power Schottky (1988)

Contains specifications and technical information on broad line of TTL integrated circuits including: Standard TTL circuits and Schottky TTL Circuits. (1240 pages)



- 5400 Series • 7400 Series • 74S00 Series
- 54LS Series • 74LS00 Series • Mechanical Data
- Size: 6" x 8.5"; Weight: 8.7 oz.

See page 20-22 for additional books.

Part No.	Description	Price
88225	Texas Instruments TTL Data book.....	\$24.95

Dual In-Line
Package

74F00 Series Integrated Circuits

FAST

We carry major manufacturers – call for pricing in quantities over 100.

Part No.	Product No.	Pins	Description	1-9	10-99	Part No.	Product No.	Pins	Description	1-9	10-99
44610	74F00	14	Quad 2-Input NAND Gate	\$.35	\$.29	44695	74F151	16	8-Channel Digital Multiplexer	\$.49	\$.45
44628	74F02	14	Quad 2-Input NOR Gate	.35	.29	44732	74F175	16	Quad D Flip-Flop	.59	.49
44636	74F04	14	Hex Inverter	.39	.35	44775	74F244	20	Tri-State Octal Line Driver	.69	.59
44644	74F08	14	Quad 2-Input AND Gate	.39	.35	44783	74F245	20	Octal Bus Transceiver Non-Inverting	.69	.59
44652	74F10	14	Triple 3-Input NAND Gate	.35	.29	44791	74F251	16	Tri-State 8-Channel Multiplexer	.69	.59
44687	74F14	14	Hex Schmitt Trigger Inverter	.49	.45	88161	74F273	20	Octal D-Type Flip-Flop with Clear	.89	.79
63749	74F32	14	Quad 2-Input OR Gate	.39	.35	44821	74F373	20	Tri-State Octal Latch	.69	.59
44855	74F74	14	Dual D Flip-Flop	.35	.29	44839	74F374	20	Tri-State Octal D Flip-Flop	.69	.59
44863	74F86	14	Quad Exclusive OR Gate	.45	.39	44847	74F379	16	4-Bit Register, Common Enable	1.09	.99
44661	74F138	16	Expandable 3/8 Decoder	.59	.49	87142	74F573	20	Octal D-Type Transparent Latch	1.95	1.75
44679	74F139	16	Expandable 2/4 Decoder	.59	.49	87599	74F574	20	Octal D-Type Flip-Flop	1.95	1.75



SOIC Package

74F00D Series Integrated Circuits

Surface Mount
Technology (SMT)

85657	74F00D	14	Quad 2-Input NAND Gate	\$.89	*	85761	74F240D	20	Octal Inverting Bus/Line Driver	\$1.25	*
85665	74F02D	14	Quad 2-Input NOR Gate	.89	*	85770	74F244D	20	Tri-State Octal Line Driver	2.25	*
85673	74F04D	14	Hex Inverter	.89	*	85788	74F245D	20	Octal Bus Transceiver Non-Inverting	2.49	*
85681	74F08D	14	Quad 2-Input AND Gate	1.29	*	85796	74F273D	20	Octal D-Type Flip-Flop with Clear	1.95	*
85690	74F10D	14	Triple 3-Input NAND Gate	.89	*	85809	74F373D	20	Tri-State Octal D Latch	1.95	*
85702	74F14D	14	Hex Schmitt Trigger Inverter	.89	*	85817	74F374D	20	Tri-State Octal D Flip-Flop	1.95	*
85711	74F32D	14	Quad 2-Input OR Gate	1.29	*	85825	74F521D	20	8-Bit Identity Comparator	2.49	*
85729	74F74D	14	Dual D Flip-Flop	1.29	*	85833	74F541D	20	Octal Buffer/Line Driver (Tri-State)	5.95	*
85737	74F86D	14	Quad Exclusive OR Gate	1.25	*	85841	74F573D	20	Octal D-Type Transparent Latch	2.95	*
85745	74F125D	14	Tri-State Quad Bus Buffer	1.49	*	85850	74F574D	20	Octal D-Type Flip-Flop	3.49	*
85753	74F138D	16	Expandable 3/8 Decoder	1.29	*	85868	74F657D	24	Tri-State Octal Bi-directional transceiver	3.49	*

*Due to the volatile SMT market, prices subject to change-call for quantities over 100.

Dual In-Line
Package

74ALS00 Series Integrated Circuits

Advanced Low
Power Schottky

43941	74ALS00	14	Quad 2-Input NAND Gate	\$.35	\$.29	44214	74ALS86	14	Quad EXCLUSIVE-OR Gate 2-Input	\$.49	\$.45
43959	74ALS02	14	Quad 2-Input NOR Gate	.35	.29	44011	74ALS109	16	Dual JK Positive Edge Flip-Flop	.25	.19
43967	74ALS04	14	Hex Inverter	.35	.29	44046	74ALS138	16	Expandable 3/8 Decoder	.65	.55
43975	74ALS05	14	Hex Inverter (Open Collector)	.35	.29	44071	74ALS240	20	Tri-State Octal Line Driver (Inverting)	.65	.55
43983	74ALS08	14	Quad 2-Input AND Gate	.35	.29	44089	74ALS244	20	Tri-State Octal Line Driver	.65	.55
43991	74ALS09	14	Quad 2-Input AND Gate (Open Collector)	.25	.19	44097	74ALS245	20	Octal Bus Transceiver (Non-Inverting)	.65	.55
44003	74ALS10	14	Triple 3-Input NAND Gate	.35	.29	44100	74ALS251	16	Tri-State 8-Channel Multiplexer	.49	.45
44020	74ALS11	14	Triple 3-Input AND Gate	.25	.19	44118	74ALS273	20	Octal D-Type Flip-Flop with Clear	.89	.79
44062	74ALS21	14	Dual 4-Input Positive AND Gate	.35	.29	44142	74ALS373	20	Tri-State Octal D Latch	.65	.55
44126	74ALS30	14	8-Input NAND Gate	.35	.29	44151	74ALS374	20	Tri-State Octal D Flip-Flop	.65	.55
44134	74ALS32	14	Quad 2-Input OR Gate	.35	.29	44169	74ALS573	20	Octal D-Type Transparent Latch	.99	.89
44206	74ALS74	14	Dual D Flip-Flop	.39	.35	44177	74ALS574	18	Octal D-Type Flip-Flop	.99	.89



SOIC Package

74ALS00D Series Integrated Circuits

Surface Mount
Technology (SMT)

85876	74ALS00D	14	Quad 2-Input NAND Gate	\$.89	*	85972	74ALS138D	16	Expandable 3/8 Decoder	\$1.49	*
85884	74ALS02D	14	Quad 2-Input NOR Gate	.79	*	103704	74ALS139D	16	Expandable Dual 2/4 Decoder	1.49	*
85892	74ALS04D	14	Hex Inverter	.79	*	85981	74ALS240D	20	Tri-State Octal Line Driver (Inverting)	1.49	*
85905	74ALS05D	14	Hex Inverter (Open Collector)	.99	*	85999	74ALS244D	20	Tri-State Octal Line Driver	1.79	*
85913	74ALS08D	14	Quad 2-Input AND Gate	.79	*	86001	74ALS245D	20	Octal Bus Transceiver (Non-Inverting)	1.95	*
85921	74ALS10D	14	Triple 3-Input NAND Gate	.79	*	86019	74ALS273D	20	Octal D-Type Flip-Flop with Clear	1.95	*
85930	74ALS14D	14	Hex Schmitt Trigger Inverter	1.95	*	86027	74ALS373D	20	Tri-State Octal D Latch	1.79	*
85948	74ALS32D	14	Quad 2-Input OR Gate	.89	*	86035	74ALS374D	20	Tri-State Octal D Flip-Flop	1.79	*
85956	74ALS74D	14	Dual D Flip-Flop	.79	*	86043	74ALS573D	20	Octal D-Type Transparent Latch	1.95	*
85964	74ALS86D	14	Quad EXCLUSIVE-OR Gate 2-Input	.79	*	86051	74ALS574D	20	Octal D-Type Flip-Flop	1.95	*

*Due to the volatile SMT market, prices subject to change-call for quantities over 100.



SOIC Package

74LS00D Series Integrated Circuits

Surface Mount
Technology (SMT)

86473	74LS00D	14	Quad 2-Input NAND Gate	\$.59	*	86588	74LS86D	14	Quad EXCLUSIVE-OR Gate 2-Input	\$.89	*
86481	74LS02D	14	Quad 2-Input NOR Gate	.59	*	86596	74LS90D	14	Decade Counter	.89	*
86490	74LS04D	14	Hex Inverter	.59	*	86609	74LS123D	16	Dual Retriggerable Monostable Multivibrator	1.49	*
86502	74LS05D	14	Hex Inverter (Open Collector)	.59	*	86617	74LS125D	14	Tri-State Quad Bus Buffer	1.29	*
86511	74LS08D	14	Quad 2-Input AND Gate	.59	*	86625	74LS138D	16	Expandable 3/8 Decoder	.89	*
86529	74LS10D	14	Triple 3-Input NAND Gate	.69	*	86633	74LS240D	20	Tri-State Octal Line Driver (Inverting)	1.29	*
86537	74LS14D	14	Hex Schmitt Trigger Inverter	.89	*	86641	74LS244D	20	Tri-State Octal Line Driver	1.29	*
86545	74LS20D	14	Dual 4-Input NAND Gate	.59	*	86650	74LS245D	20	Octal Bus Transceiver (Non-Inverting)	1.29	*
86553	74LS32D	14	Quad 2-Input OR Gate	.89	*	86668	74LS273D	20	Octal D-Type Flip-Flop with Clear	1.49	*
86561	74LS74D	14	Dual D Flip-Flop	.89	*	86676	74LS373D	20	Tri-State Octal D Latch	.89	*
86570	74LS75D	16	4-Bit Bi-stable Latch	.89	*	86684	74LS374D	20	Tri-State Octal D Flip-Flop	.89	*

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Dual-In-Line Package

74LS00 Series Integrated Circuits

Low Power Schottky

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We carry major manufacturers - call for pricing in quantities over 100.

Part No.	Product No.	Pins	Description	1-9	10-99	Part No.	Product No.	Pins	Description	1-9	10-99
46252	74LS00	14	Quad 2-Input NAND Gate	\$.29	\$.25	46885	74LS166	16	8-Bit Shift Register	\$.59	\$.49
46287	74LS02	14	Quad 2-Input NOR Gate	.29	.25	46906	74LS169	16	Synch. Binary Up/Down Counter (74LS669)	.89	.79
46308	74LS03	14	Quad 2-Input NAND Gate (Open Collector)	.29	.25	46914	74LS170	16	4x4 Register File	.59	.49
46316	74LS04	14	Hex Inverter	.29	.25	46922	74LS173	16	Quad D Register (Tri-State)	.39	.35
46341	74LS05	14	Hex Inverter (Open Collector)	.29	.25	46931	74LS174	16	Hex D Flip-Flop with Clear	.39	.35
46359	74LS06	14	Hex Inverter Buffer/Driver (O.C. Hi-Volt.)	.59	.49	46957	74LS175	16	Quad D Flip-Flop	.39	.35
46367	74LS07	14	Hex Buffer/Driver (O.C. Hi-Volt.)	.59	.49	46973	74LS181	24	Arithmetic Logic Unit	1.39	1.29
46375	74LS08	14	Quad 2-Input AND Gate	.35	.29	46981	74LS189	16	64-Bit RAM Tri-State	3.79	3.59
46391	74LS09	14	Quad 2-Input AND Gate (Open Collector)	.29	.25	46990	74LS190	16	Up/Down Decade Counter	.69	.59
46404	74LS10	14	Triple 3-Input NAND Gate	.29	.25	47001	74LS191	16	Up/Down Binary Counter	.69	.59
46439	74LS11	14	Triple 3-Input AND Gate	.29	.25	47010	74LS192	16	4-Bit Up/Down BCD Counter	.69	.59
46543	74LS13	14	Dual 4-Input NAND Schmitt Trigger	.35	.29	47036	74LS193	16	4-Bit Up/Down Binary Counter	.59	.49
46640	74LS14	14	Hex Schmitt Trigger Inverter	.39	.35	47052	74LS194	16	4-Bit Bi-Directional Universal Shift Register	.59	.49
46691	74LS15	14	Triple 3-Input AND Gate	.35	.29	47061	74LS195	16	4-Bit Parallel-Access Shift Register	.59	.49
47095	74LS20	14	Dual 4-Input NAND Gate	.29	.25	47079	74LS196	14	Presetable Decade Counter	.49	.45
47108	74LS21	14	Dual 4-Input AND Gate	.29	.25	47087	74LS197	14	Preset Binary Counter	.49	.45
47116	74LS22	14	Dual 4-Input NAND Gate (Open Collector)	.35	.29	47124	74LS221	16	Dual Monostable Multivibrator	.59	.49
47335	74LS26	14	Quad 2-Input Interface Positive NAND Gate	.39	.35	47141	74LS240	20	Octal Inverting Bus/Line Driver	.49	.45
47378	74LS27	14	Triple 3-Input NOR Gate	.29	.25	47167	74LS241	20	Octal Bus/Line Driver	.59	.49
47458	74LS30	14	8-Input NAND Gate	.29	.25	47175	74LS243	14	Tri-State Quad Transceiver	.59	.49
47466	74LS32	14	Quad 2-Input OR Gate	.35	.29	47183	74LS244	20	Octal Driver Non-Inverting Tri-State	.59	.49
47503	74LS33	14	Quad 2-Input NOR Buffer (Open Collector)	.39	.35	47212	74LS245	20	Octal Bus Transceiver Non-Inverting	.65	.55
47597	74LS37	14	Quad 2-Input NAND Buffer	.35	.29	47247	74LS247	16	BCD to 7-Segment Decoder/Driver	.69	.59
47693	74LS38	14	Quad 2-Input NAND Buffer (Open Collector)	.35	.29	47263	74LS249	16	BCD to 7-Segment Decoder/Driver	1.19	1.09
47773	74LS42	16	4-10 Line BCD-to-Decimal Decoder	.39	.35	47271	74LS251	16	Tri-State 8-Channel Multiplexer	.49	.45
47790	74LS47	16	BCD to 7-Segment Decoder/Driver	.79	.69	47280	74LS253	16	Dual 4-Input Multiplexer Tri-State	.49	.45
47811	74LS48	16	BCD to 7-Segment Decoder/Driver	.89	.79	47298	74LS257	16	Quad 2-Input Multiplexer Tri-State	.39	.35
47837	74LS51	14	Dual 2-Input AND/OR Invert Gate	.29	.25	47319	74LS258	16	Quad 2/1 Multiplexer	.49	.45
47896	74LS55	14	Dual 4-Input AND/OR Invert Gate	.49	.45	47327	74LS259	16	8-Bit Addressable Latch	.59	.49
47992	74LS73	14	Dual JK Flip Flop with Clear	.39	.35	47343	74LS260	14	Dual 5-Input NOR Gate	.49	.45
48004	74LS74	14	Dual D Flip-Flop	.35	.29	47351	74LS261	16	2-Bit by 4-Bit Parallel Binary Multipliers	1.95	1.75
48021	74LS75	16	Quad Latch	.35	.29	47360	74LS266	14	Quad XNOR Gate	.39	.35
48039	74LS76	16	Dual JK Flip-Flop with Preset and Clear	.59	.49	47386	74LS273	20	8-Bit D Type Register	.69	.59
48063	74LS83	16	4-Bit Full Adder	.49	.45	47407	74LS279	16	Quad S-R Latches	.39	.35
48071	74LS85	16	4-Bit Magnitude Comparator	.49	.45	47415	74LS280	14	9-Bit Odd/Even Parity Generator/Checker	.59	.49
48098	74LS86	14	Quad 2-Input Exclusive-OR Gate	.35	.29	47423	74LS283	16	4-Bit Full Adder	.59	.49
48119	74LS90	14	Decade Counter	.49	.45	47431	74LS293	14	4-Bit Binary Counter	.49	.45
48135	74LS91	14	8-Bit Shift Register	.59	.49	47440	74LS299	20	8-Bit Universal Shift/Storage Register	1.49	1.35
48143	74LS92	14	Divide-by-Twelve Counter	.59	.49	47482	74LS322	20	8-Bit Serial/Parallel Reg. (25LS22)	1.49	1.35
48151	74LS93	14	4-Bit Binary Counter	.39	.35	47491	74LS323	20	8-Bit Universal Shift/Storage Reg. (25LS23)	1.49	1.35
48178	74LS95	14	4-Bit Parallel-Access Shift Register	.49	.45	47511	74LS347	16	BCD to 7-Segment Decoder	1.49	1.35
46412	74LS107	14	Dual JK Master-Slave Flip-Flop	.39	.35	47538	74LS353	16	Dual 4-Bit Multiplexer (Inv. Out)	.89	.79
46421	74LS109	16	Dual JK Positive Edge Flip-Flop	.39	.35	47546	74LS365	16	Hex Buffer (Tri-State)	.39	.35
46447	74LS112	16	Dual JK Negative Edge Flip-Flop	.39	.35	47562	74LS367	16	Hex Buffer (Tri-State)	.39	.35
46455	74LS114	14	Dual JK Negative Edge Flip-Flop	.79	.69	47589	74LS368	16	Hex Inverter (Tri-State)	.39	.35
46471	74LS122	14	Retriggerable Monostable Multivibrator	.49	.45	47600	74LS373	20	Octal Transparent Latch	.65	.55
46480	74LS123	16	Dual Monostable Multivibrator with Clear	.49	.45	47634	74LS374	20	Octal Dual Flip-Flop (Tri-State)	.65	.55
46501	74LS125	14	Tri-State Quad Buffer	.39	.35	47669	74LS377	20	Octal D Register, Common Enable (25LS07)	.65	.55
46527	74LS126	14	Quad Buffer (Tri-State)	.39	.35	47706	74LS384	16	8-Bit Serial/Parallel 2's Compl. Multiplier	1.49	1.35
46551	74LS132	14	Quad 2-Input NAND Schmitt Trigger	.39	.35	47722	74LS390	16	Dual 4-Bit Binary Counter	.79	.69
46578	74LS133	16	13-Input NAND Gate	.49	.45	47731	74LS393	14	Dual 4-Bit Binary Counter	.69	.59
46586	74LS136	14	Quad XOR Gate	.39	.35	47749	74LS395	16	4-Bit Cascadable Shift Register (Tri-State)	.59	.49
46607	74LS138	16	Expandable 3/8 Decoder	.39	.35	47757	74LS399	16	Quad 2-Mux with Q & Q Outputs (25LS09)	.59	.49
46623	74LS139	16	Expandable Dual 2/4 Decoder	.39	.35	47845	74LS534	20	Octal D-Type Flip-Flop (Tri-State)	1.49	1.35
46666	74LS145	16	BCD-to-Decimal Decoder/Driver	.59	.49	47861	74LS540	20	Octal Buffer/Line Driver (Tri-State)	.89	.79
46674	74LS147	16	10-Line to 4-Line Priority Encoder	1.49	1.35	47870	74LS541	20	Octal Buffer/Line Driver (Tri-State)	.89	.79
46682	74LS148	16	8-Line to 3-Line Priority Encoder	.79	.69	64418	74LS573	20	Octal D Type Latch (Tri-State)	1.29	1.19
46703	74LS151	16	8-Input Multiplexer	.39	.35	64426	74LS574	20	Octal D Type Flip-Flop (Tri-State)	1.39	1.29
46720	74LS153	16	Dual 4-Input Multiplexer	.39	.35	47909	74LS590	16	8-Bit with Output Registers	3.95	3.75
46738	74LS154	24	4-16 Decoder	1.29	1.19	103974	74LS595	16	8-Bit Serial-to-Parallel Shift Register Latch	1.95	1.75
46754	74LS155	16	Dual 2/4 Demultiplexer	.49	.45	47917	74LS612	40	Memory Mapper	2.95	2.75
46762	74LS156	16	Dual 2/4 Demultiplexer (Open Collector)	.49	.45	47925	74LS629	16	Dual Voltage-Controlled Oscillator	1.95	1.75
46771	74LS157	16	Quad 2/1 Multiplexer	.49	.45	47933	74LS640	20	Octal Bus Transceiver-Inverting (Tri-State)	.89	.79
46797	74LS158	16	Quad 2/1 Multiplexer (Inv. Out)	.29	.25	47950	74LS645	20	Octal Bus Transceiver-True (Tri-State)	.89	.79
46800	74LS160	16	Presetable Decade Counter	.35	.29	47968	74LS646	S-24	Octal Trans/Register Bi-direct. 3' Wide 3-State	2.19	1.95
46818	74LS161	16	Presetable Binary Counter (Async)	.39	.35	47976	74LS670	16	4x4 Register File (Tri-State)	.89	.79
46842	74LS163	16	Presetable Binary Counter (Sync)	.49	.45	47984	74LS688	20	8-Bit Magnitude Comparator (25LS2521)	1.95	1.75
46851	74LS164	14	8-Bit Shift Register	.49	.45	52214	81LS95	20	Tri-State Octal Buffer - True (74LS465)	.89	.79
46877	74LS165	16	Parallel Load 8-Bit Serial Shift Register	.59	.49	52249	81LS98	20	Tri-State Octal Buffer - Inverting (74LS468)	.89	.79



74LS00 Series IC Cabinet Kit

Includes the most popular components with extra space for customized expansion! (i.e. New SMT IC product)
See page 38 for detailed description and additional component kits!

Part No.	Description	Price
84961	420pc. 74LS Series IC Cabinet Kit	\$139.95

Texas Instruments TTL Logic-Standard TTL, Schottky, Low-Power Schottky (1988)

Contains specifications and technical information on broad line of TTL integrated circuits including: Standard TTL circuits and Schottky TTL Circuits. (1240 pages) • Size: 6" x 8.5" • Weight 8.7 oz.

Part No.	Description	Price
88225	Texas Instrument TTL Data book	\$24.95



Dual In-Line Package

74HCT00 Series Integrated Circuits

High Speed CMOS

We carry major manufacturers – call for pricing in quantities over 100.

Part No.	Product No.	Pins	Description	1-9	10-99	Part No.	Product No.	Pins	Description	1-9	10-99
44871	74HCT00	14	Quad 2-Input NAND Gate	\$.29	\$.25	44927	74HCT138	16	3 to 8 Line Decoder	\$.49	\$.45
44880	74HCT02	14	Quad 2-Input NOR Gate	.29	.25	88057	74HCT154	24	4 to 16 Line Decoder/Demultiplexer	1.79	1.59
44898	74HCT04	14	Hex Inverter	.29	.25	44951	74HCT158	16	Quad 2-Input Multiplexer (Inverting Output)	.49	.45
63765	74HCT05	14	Hex Inverter (Open Collector)	.39	.35	88065	74HCT193	16	Binary Up/Down Counter	.69	.59
44901	74HCT08	14	Quad 2-Input AND Gate	.29	.25	45014	74HCT240	20	Inverting Octal Tri-State Buffer	.69	.59
87994	74HCT10	14	Triple 3-Input NAND Gate	.29	.25	45022	74HCT244	20	Octal Tri-State Buffer	.69	.59
44935	74HCT14	14	Hex Schmitt Trigger Inverter	.39	.35	45031	74HCT245	20	Octal Tri-State Transceiver	.69	.59
88006	74HCT20	14	Dual 4-Input NAND Gate	.29	.25	45049	74HCT273	20	Octal D Flip-Flop	.69	.59
45057	74HCT32	14	Quad 2-Input OR Gate	.29	.25	45065	74HCT373	20	Tri-State Octal D-Type Latch	.69	.59
88014	74HCT73	14	Dual JK Master/Slave Flip-Flop	.49	.45	45073	74HCT374	20	Tri-State Octal D-Type Flip-Flop	.69	.59
45137	74HCT74	14	Dual D Flip-Flop with Preset and Clear	.39	.35	99303	74HCT541	20	Octal Buffer/Line Driver (Tri-State)	.79	.69
88022	74HCT75	16	4-Bit Bistable Latch	.35	.29	45090	74HCT573	20	Tri-State Octal D-Type Latch	.75	.65
88031	74HCT76	16	Dual JK with preset and clear Flip-Flop	.49	.45	45102	74HCT574	20	Tri-State Octal D-Type Flip-Flop	.75	.65
45145	74HCT86	14	Quad 2-Input Exclusive-OR Gate	.39	.35	45111	74HCT640	20	Octal Bus Transceiver (Inverting) Tri-State	.89	.79
88049	74HCT123	16	Dual Retriggerable Monostable Multivibrator	.65	.59	45129	74HCT688	20	8-Bit Magnitude Comparator (Equality Detector)	.89	.79



SOIC Package

74HCT00D Series Integrated Circuits

Surface Mount Technology (SMT)

86289	74HCT00D	14	Quad 2-Input NAND Gate	\$.59	*	86385	74HCT154D	24	4 to 16 Line Decoder/Demultiplexer	\$ 1.49	*
86297	74HCT02D	14	Quad 2-Input NOR Gate	.59	*	86393	74HCT240D	20	Inverting Octal Tri-State Buffer	.99	*
86300	74HCT04D	14	Hex Inverter	.59	*	86406	74HCT244D	20	Octal Tri-State Buffer	.99	*
86318	74HCT08D	14	Quad 2-Input AND Gate	.69	*	86414	74HCT245D	20	Octal Tri-State Transceiver	1.09	*
86326	74HCT10D	14	Triple 3-Input NAND Gate	.59	*	86422	74HCT273D	20	Octal D Flip-Flop	1.69	*
86334	74HCT14D	14	Hex Schmitt Trigger Inverter	.89	*	86431	74HCT373D	20	Tri-State Octal D-Type Latch	1.19	*
86342	74HCT32D	14	Quad 2-Input OR Gate	.69	*	86449	74HCT374D	20	Tri-State Octal D-Type Flip-Flop	1.19	*
86351	74HCT74D	14	Dual D Flip-Flop with Preset and Clear	.99	*	86457	74HCT573D	20	Tri-State Octal D-Type Latch	1.69	*
86369	74HCT86D	14	Quad 2-Input Exclusive-OR Gate	1.09	*	86465	74HCT574D	20	Tri-State Octal D-Type Flip-Flop	1.69	*
86377	74HCT138D	16	Expandable 3/8 Decode	.89	*	103712	74HCT688D	20	8-Bit Mag. Comparator (Equality Detector)	2.95	*

*Due to the volatile SMT market, prices subject to change-call for quantities over 100.



Dual In-Line Package

74S00 Series Integrated Circuits

Schottky

48258	74S00	14	Quad 2-Input NAND Gate	\$.29	\$.25	48506	74S175	16	Quad D Flip-Flop	\$.29	\$.25
48266	74S02	14	Quad 2-Input NOR Gate	.29	.25	48531	74S188	16	256-Bit (32x8) PROM (OC) (27S18)	1.95	1.75
48282	74S04	14	Hex Inverter	.29	.25	48557	74S189	16	64-Bit (16x4) RAM Tri-State (27S03)	1.75	1.55
48291	74S05	14	Hex Inverter (Open Collector)	.29	.25	48581	74S240	20	Tri-State Octal Line Driver	.69	.59
48320	74S10	14	Triple 3-Input NAND Gate	.29	.25	48590	74S241	20	Tri-State Octal Line Driver (Non-Inverting)	.69	.59
48338	74S11	14	Triple 3-Input AND Gate	.29	.25	48629	74S244	20	Tri-State Octal Line Driver	.59	.49
48573	74S20	14	Dual 4-Input NAND Gate	.29	.25	48688	74S280	14	9-Bit Parity Generator	.39	.35
48750	74S32	14	Quad 2-Input OR Gate	.35	.29	48696	74S287	16	1K-Bit (256x4) PROM Tri-State (27S21)	1.85	1.65
48901	74S51	14	Dual 2-Input AND-OR-Invert Gate	.29	.25	48717	74S288	16	256-Bit (32x8) PROM Tri-State (27S19)	1.75	1.55
48944	74S74	14	Dual D Flip-Flop	.29	.25	48741	74S299	20	8-Bit Universal Shift/Storage Register	1.39	1.25
48952	74S85	16	4-Bit Magnitude Comparator	.45	.39	48768	74S373	20	Octal D-Type Latch	.69	.59
48961	74S86	14	Quad Exclusive OR Gate	.29	.25	48776	74S374	20	Octal D Flip-Flop Tri-State	.69	.59
48354	74S124	16	Dual Voltage-Controlled Oscillators	.99	.89	48805	74S387	16	1K-Bit (256x4) PROM (OC) (27S20)	1.85	1.65
48389	74S136	14	Quad Exclusive OR Gate	.29	.25	48830	74S412	24	8-Bit Latch (8212)	2.75	2.49
48397	74S138	16	Expandable 3/8 Decoder	.35	.29	48864	74S472	20	4K-Bit (512x8) PROM Tri-State (27S29)	2.79	2.49
48451	74S157	16	Quad 2-Input Multiplexer	.49	.45	48910	74S571	16	2K-Bit (512x4) PROM Tri-State (27S13)	2.95	2.75
48493	74S174	16	Hex D Flip-Flop	.39	.35	48928	74S573	18	4K-Bit (1024x4) PROM Tri-State (27S33)	2.49	2.29



Dual In-Line Package

Motorola Series Integrated Circuits

25435	MC846P	14	Quad 2-Input Gate (DM946N)	\$ 1.19	\$ 1.09	25216	MC3479P	16	Biphase Stepper Motor Driver	\$ 3.95	\$ 3.75
25443	MC848P	14	Clock Flip Flop (DM948N)	.79	.69	25232	MC3486P	16	Quad EIA-422/423 Line Rec. w/3-State Outputs	.89	.79
25486	MC861P	14	Quad 4-Input NAND/NOR Gate (DM961N)	.79	.69	25259	MC3487P	16	Quad EIA-422 Line Driver w/3-State Outputs	.89	.79
24942	MC1350P	8	Video IF Amp (12V operation)	.89	.79	25267	MC4024P	14	Dual Voltage Control Multivibrator (11C24)	2.49	2.29
24969	MC1377P	20	Color TV RGB to PAL/NTSC Encoder	2.49	2.25	25275	MC4044P	14	Frequency Phase Detector (11C44)	4.75	4.55
14912	MC1408-6	16	8-Bit D to A Converter (DAC0806LCN)	1.69	1.59	25021	MC14411P	24	Bit Rate Frequency Generator	7.49	7.29
14939	MC1408-7	16	8-Bit D to A Converter (DAC0807LCN)	1.69	1.59	25048	MC14457P	16	Ultrasonic/Infrared CMOS Transmitter	3.95	3.75
14947	MC1408-8	16	8-Bit D to A Converter (DAC0808LCN)	1.69	1.59	25064	MC14490P	16	Hex Contact Bounce Eliminator	4.49	4.29
25110	MC1496P	14	Balanced Modulator/Demodulator	1.19	1.09	25072	MC14495P	16	Bcd to 7-Seg. Latch/Decoder/Driver	3.29	3.09
25128	MC1648P	14	Voltage Controlled Oscillator	3.95	3.75	25081	MC145106P	18	CMOS Phase Locked Loop Frequency Synthesizer	2.95	2.75
25144	MC3340P	8	Electronic Attenuator	.99	.89	25099	MC145406P	16	RS232-C/V.28 Driver/Receiver (CMOS)	2.19	2.09
25195	MC3470P	18	Floppy Disk Read Amp System	1.19	1.09	25101	MC146818	24	Real Time Clock Plus RAM	3.95	3.75



Dual In-Line Package

TDA Series Integrated Circuits

32889	TDA1170S	12	TV Vertical Deflection System	\$ 3.49	\$ 3.25	74819	TDA2005M	11	20W Bridge Amplifier	\$ 2.95	\$ 2.75
32897	TDA2002V	5	8-Watt Audio High Power Amp (TO-220)	2.49	2.25	74721	TDA2541	16	Video IF System with AFC for PNP tuner (16 DIP)	2.95	2.75
74667	TDA2003V	5	10W Amplifier, Car Stereo (Pentawatt)	1.95	1.75	74616	TDA2822M	8	2W Bridge Amplifier, 1.8W Stereo	1.95	1.75



Dual-In-Line Package

74C00 Series Integrated Circuits

CMOS

7

We carry major manufacturers – call for pricing in quantities over 100.

Part No.	Product No.	Pins	Description	1-9	10-99	Part No.	Product No.	Pins	Description	1-9	10-99
44222	74C00	14	Quad 2-Input NAND Gate	\$.39	\$.35	44345	74C193	16	Binary Up/Down Counter (CD40193)	\$1.09	\$.99
63538	74C02	14	Quad 2-Input NOR Gate	.39	.35	44361	74C221	16	Dual Monostable Multivibrator	2.95	2.75
44231	74C04	14	Hex Inverter (CD4069)	.35	.29	44370	74C244	20	Tri-State Octal Buffer (Non-Inverting)	1.95	1.75
63546	74C08	14	Quad 2-Input AND Gate	.49	.45	44396	74C373	20	Octal Flow-Thru Latch Tri-State	1.95	1.75
44249	74C10	14	Triple 3-Input NAND Gate	.39	.35	44409	74C374	20	Octal D Flip-Flop Tri-State (INS82C06N)	1.95	1.75
44257	74C14	14	Hex Schmitt Trigger (CD40106)	.59	.49	44513	74C911	28	4-Digit Display Controller (INS8247N)	16.95	15.95
44388	74C32	14	Quad 2-Input OR Gate	.49	.45	44521	74C912	28	6-Digit BCD Display Controller (INS8248N)	16.95	15.95
44425	74C48	16	BCD to 7-Segment Decoder/Driver	1.49	1.29	44530	74C917	28	6-Digit Hex Display Controller	7.95	6.49
44433	74C73	14	Dual JK Flip-Flop	.89	.79	44548	74C920	22	256x4 1K Static RAM	4.95	4.49
44441	74C74	14	Dual D Flip-Flop	.99	.89	44564	74C922	18	16-Key Keyboard Encoder (INS8245N)	5.95	5.49
44450	74C76	16	Dual J-K Flip-Flop with preset and clear	.99	.89	44572	74C923	20	20-Key Keyboard Encoder (INS8246N)	9.95	9.49
44476	74C86	14	Quad Exclusive OR Gate (4070)	.55	.49	44581	74C925	16	4-Digit CTR w/MUX D Segment Driver	9.95	9.49
44484	74C90	14	4-Bit Decade Counter	1.49	1.29	44599	74C926	18	4-Digit CTR w/MUX D Segment Driver	9.95	9.49
44265	74C154	24	4-Line to 16-Line Decoder	3.95	3.75	51713	80C95	16	Tri-State Hex Buffer (74C365)	.69	.59
44329	74C174	16	Hex Flip-Flop (CD40174) (MC14174BPC)	.89	.79	13469	80C97	16	Tri-State Hex Buffer (74C367) (CD4503)	.45	.39
44337	74C192	16	Decade Up/Down Counter (CD40192)	1.09	.99	51721	80C98	16	Tri-State Hex Inverter (74C368)	.79	.69



Dual-In-Line Package

74HC00 Series Integrated Circuits

High Speed CMOS

45161	74HC00	14	Quad 2-Input NAND Gate	\$.29	\$.25	45612	74HC240	20	Inverting Octal Tri-State Buffer	\$.59	\$.49
45188	74HC02	14	Quad 2-Input NOR Gate	.29	.25	45639	74HC242	14	Inverting Quad Tri-State Transceiver	.65	.55
45209	74HC04	14	Hex Inverter (Buffered)	.29	.25	45655	74HC244	20	Octal Tri-State Buffer	.69	.59
45153	74HCU04	14	Hex Inverter (Unbuffered)	.39	.35	45671	74HC245	20	Octal Tri-State Transceiver	.69	.59
88081	74HC05	14	Hex Inverter (Open Collector)	.49	.45	45701	74HC253	16	Dual 4-Channel Tri-State Multiplexer	.49	.39
45225	74HC08	14	Quad 2-Input AND Gate	.29	.25	45719	74HC257	16	Quad 2-Channel Tri-State Multiplexer	.55	.45
45233	74HC10	14	Triple 3-Input NAND Gate	.29	.25	45743	74HC273	20	Octal D Flip-Flop	.79	.69
45364	74HC14	14	Hex Inverter Schmitt Trigger	.35	.29	45751	74HC280	14	9-Bit Odd/Even Parity Generator/Checker	.59	.49
45583	74HC20	14	Dual 4-Input NAND Gate	.29	.25	45778	74HC299	20	8-Bit Tri-State Universal Shift Register	.99	.89
45786	74HC30	14	8-Input NAND Gate	.29	.25	45807	74HC365	16	Hex Tri-State Buffer	.59	.49
45794	74HC32	14	Quad 2-Input OR Gate	.29	.25	45831	74HC373	20	Tri-State Octal D Type Latch	.65	.55
45997	74HC42	16	BCD-to-Decimal Decoder	.49	.45	45858	74HC374	20	Tri-State Octal D Type Flip-Flop	.65	.55
46130	74HC74	14	Dual D Flip Flop with Preset and Clear	.35	.29	45866	74HC390	16	Dual 4-Bit Decade Counter	.59	.49
46156	74HC75	16	Dual 24-Bit Bistable Latch	.35	.29	45874	74HC393	14	Dual 4-Bit Binary Counter	.69	.59
46164	74HC76	16	Dual J-K Flip Flop with Preset and Clear	.39	.35	46050	74HC541	20	Octal Buffer/Line Driver (Tri-State)	.79	.69
46172	74HC85	16	4-Bit Magnitude Comparator	.49	.45	46076	74HC573	20	Octal D-Type Latch Tri-State	.89	.79
46181	74HC86	14	Quad 2-Input Exclusive-OR (XOR) Gate	.35	.29	46084	74HC574	20	Octal D-Type Flip-Flop Tri-State	.99	.89
45276	74HC112	16	Dual J-K Flip Flop with Preset and Clear	.39	.35	88090	74HC590	16	Tri-State 8-Bit Binary Counter with Output Latch Clear	1.29	1.19
45292	74HC123	16	Dual Monostable Multivibrator	.69	.59	46105	74HC595	16	8-Bit Serial-to-Parallel Shift Register Latch	1.19	1.09
45305	74HC125	14	Tri-State Quad Buffer	.49	.45	46113	74HC688	20	8-Bit Mag. Comparator (Equality Detector)	.99	.89
45321	74HC132	14	Quad 2-Input NAND Schmitt Trigger	.89	.79	46199	74HC942	20	Full Duplex, Low Speed, 300Baud Modem Chip	9.95	8.95
45330	74HC138	16	3 to 8 Line Decoder	.45	.39	46201	74HC943	20	Full Duplex 300 Baud Modem Chip	9.95	8.95
45356	74HC139	16	Expandable Dual 2/4 Line Decoder	.45	.39	45882	74HC4002	14	Dual 4-Input NOR Gate	.79	.69
45399	74HC153	16	Dual 4/1 Multiplexer	.45	.39	45891	74HC4017	16	Decade Counter/Div. w/ 10 Decoded Outputs	.89	.79
45401	74HC154	S-24	4/16 Line Decoder (use 24SLP Socket)	1.19	1.09	45903	74HC4020	16	14-Stage Binary Counter	.79	.69
45444	74HC160	16	Synchronous Decade Counter w/async. clear	.49	.45	45911	74HC4024	14	7-Stage Ripple Counter	.89	.79
45452	74HC161	16	Synchronous Binary Counter w/sync. clear	.49	.45	45920	74HC4040	16	12-Stage Binary Counter	.79	.69
45479	74HC163	16	Synchronous Binary Counter	.49	.45	45938	74HC4046	16	CMOS Phase Lock Loop	.99	.89
45487	74HC164	14	8-Bit Serial-in/Parallel-out Shift Register	.59	.49	45946	74HC4049	16	Hex/Buffer/Converter (Inverting)	.59	.49
45495	74HC165	16	8-Bit Parallel-in/Serial-out Shift Register	.89	.79	45954	74HC4050	16	Hex/Buffer/Converter (Non-Inverting)	.59	.49
45508	74HC174	16	Hex D Flip-Flop with Clear	.49	.45	88102	74HC4051	16	Single 8-Channel Multiplexer/Demultiplexer	1.19	1.09
45516	74HC175	16	Quad D Type Flip-Flop with Clear	.49	.45	45962	74HC4060	16	14-Stage Binary Counter	.79	.69
45532	74HC191	16	Up/Down Binary Counter	.79	.69	45971	74HC4066	14	Quad Analog Switch	1.09	.99
45541	74HC192	16	Synchronous Decade Up/Down Counter	.89	.79	63992	74HC4075	14	Triple 3-Input OR Gate	.49	.45
45559	74HC193	16	Synchronous Binary Up/Down Counter	.89	.79	46009	74HC4514	S-24	4/16-Line Decoder w/Latch (use 24SLP Socket)	1.69	1.59
45575	74HC195	16	4-Bit Parallel Access Shift Register	.69	.59	46017	74HC4538	16	Dual Retriggerable Monostable Multivibrator	.89	.79
45604	74HC221	16	Dual Monostable Multivibrator	.69	.59	64012	74HC4543	16	BCD-to-7 Seg. Latch/Decoder for LCDs	1.19	1.09



SOIC Package

74HC00D Series Integrated Circuits

Surface Mount Technology (SMT)

86060	74HC00D	14	Quad 2-Input NAND Gate	\$.59	*	86174	74HC125D	14	Tri-State Quad Buffer	\$.89	*
86078	74HC02D	14	Quad 2-Input NOR Gate	.59	*	86182	74HC138D	16	3 to 8 Line Decoder	.89	*
86086	74HC04D	14	Hex Inverter (Buffered)	.65	*	86191	74HC154D	24	4/16 Line Decoder (use 24SLP Socket)	1.95	*
86094	74HC05D	14	Hex Inverter (Open Collector)	.65	*	86203	74HC240D	20	Inverting Octal Tri-State Buffer	1.19	*
86107	74HC08D	14	Quad 2-Input AND Gate	.59	*	86211	74HC244D	20	Octal Tri-State Buffer	1.19	*
86115	74HC10D	14	Triple 3-Input NAND Gate	.59	*	86220	74HC245D	20	Octal Tri-State Transceiver	1.19	*
86123	74HC14D	14	Hex Inverter Schmitt Trigger	.99	*	86238	74HC273D	20	Octal D Flip-Flop	1.49	*
86131	74HC32D	14	Quad 2-Input OR Gate	.69	*	86246	74HC373D	20	Tri-State Octal D-Type Latch	.99	*
86140	74HC74D	14	Dual D Flip-Flop with Preset and Clear	.79	*	86254	74HC374D	20	Tri-State Octal D-Type Flip-Flop	.99	*
88111	74HC76D	16	Dual J-K Flip-Flop with Preset and Clear	1.75	*	86262	74HC573D	20	Tri-State Octal D-Type Latch	1.49	*
86158	74HC86D	14	Quad 2-Input Exclusive-OR (XOR) Gate	1.09	*	86271	74HC574D	20	Octal D-Type Flip-Flop Tri-State	1.49	*
86166	74HC123D	16	Dual Monostable Multivibrator	1.49	*	103721	74HC688D	20	8-Bit Mag. Comparator (Equality Detector)	2.49	*

*Due to the volatile SMT market, prices subject to change-call for quantities over 100.



74AHCT00 Series Integrated Circuits

CMOS

74AHCT00 Series is a direct replacement for 74HCT00 Series and 74ALS00 Series. The 74AHCT00 advanced high-speed CMOS family is designed to provide performance equivalent to or better than that of the bipolar 74ALS00 (Advanced Low-power Schottky) family with the additional CMOS advantages of low power dissipation and high noise immunity. The AHCT00 parts are direct plug-in replacements for their ALS00 counterparts. • High-Drive-Current Outputs. $I_{OL}=8mA$ @ $V_{OL} = .5V$ • Inputs and outputs interface directly with TTL, NMOS and CMOS devices. • Wide operating voltage range: 4.5V to 5.5V • Operating temperature: $-40^{\circ}C$ to $+85^{\circ}C$ • Propagation Delay: 14 nsec MAX.

Part No.	Product No.	Pins	Description	1-9	10-99	Part No.	Product No.	Pins	Description	1-9	10-99
43844	74AHCT00	14	Quad 2-Input NAND Gate	.25	\$.19	43932	74AHCT86	14	Quad 2-Input Exclusive-OR (XOR) Gate	.25	\$.19
43852	74AHCT02	14	Quad 2-Input NOR Gate	.25	.19	63440	74AHCT138	16	3 to 8 Line Decoder	.35	.29
43861	74AHCT04	14	Hex Inverter (Buffered)	.25	.19	43879	74AHCT175	16	Quad D Type Flip-Flop with Clear	.35	.29
63431	74AHCT08	14	Quad 2-Input AND Gate	.25	.19	63466	74AHCT244	20	Octal Tri-State Buffer	.59	.49
43895	74AHCT32	14	Quad 2-Input OR Gate	.25	.19	43887	74AHCT245	20	Octal Tri-State Transceiver	.59	.49
43924	74AHCT74	14	Dual D Flip-Flop with Preset and Clear	.25	.19	79311	CSM0135	—	Toshiba 74HC/HCT Logic Databook	9.95	8.95



74HCTLS00 Series Integrated Circuits

CMOS

74HCTLS00 Series is a direct replacement for 74LS00 Series and 74HCT00 Series. The 74HCTLS00 high-speed CMOS family offers similar benefits as a direct replacement for industry standard 74LS00 (Low-power Schottky), 74HCT00 and 74HC00. While meeting all of the HCT electrical specifications, it also provides improved speed and drive capability, so that LS00 parts can be replaced with no performance degradation. • High-Drive-Current Outputs. $I_{OL}=8mA$ @ $V_{OL} = 0.5V$ • Inputs and outputs interface directly with TTL, NMOS and CMOS devices. • Wide operating voltage range: 4.5V to 5.5V • Operating temperature: $-40^{\circ}C$ to $+85^{\circ}C$ • Propagation Delay: 22 nsec MAX.

101207	74HCTLS00	14	Quad 2-Input NAND Gate	.25	\$.19	101231	74HCTLS08	14	Quad 2-Input AND Gate	.25	\$.19
101215	74HCTLS02	14	Quad 2-Input NOR Gate	.25	.19	101240	74HCTLS32	14	Quad 2-Input OR Gate	.25	.19
101223	74HCTLS04	14	Hex Inverter (Buffered)	.25	.19	88225	SDL000IA	—	Texas Instruments TTL Logic Databook	24.95	22.49



CD4000 Series Integrated Circuits

CMOS

12554	CD4000	14	Dual 3-Input NOR Gate plus Inverter	\$.29	\$.25	13231	CD4069	14	Hex Inverter (74C04)	\$.29	\$.25
12562	CD4001	14	Quad 2-Input NOR Gate	.29	.25	13258	CD4070	14	Quad Exclusive-OR Gate (74C86)	.35	.29
12597	CD4007	14	Dual Complementary Pair plus Inverter	.29	.25	13274	CD4071	14	Quad 2-Input OR Gate	.29	.25
12618	CD4009	16	Hex/Buffer/Converter (Inverting)	.69	.59	13303	CD4073	14	Triple 3-Input AND Gate	.29	.25
54631	CD4010	16	Hex/Buffer/Converter (Non Inverting)	.45	.39	13320	CD4076	16	Quad D Type Register (74C173)	.59	.55
12634	CD4011	14	Quad 2-Input NAND Gate	.29	.25	13338	CD4077	14	Quad Exclusive-NOR Gate	.35	.29
12669	CD4012	14	Dual 4-Input NAND Gate	.29	.25	13346	CD4078	14	8-Input NOR Gate	.35	.29
12677	CD4013	14	Dual D Flip-Flop with Set/Reset	.39	.35	13354	CD4081	14	Quad 2-Input AND Gate	.29	.25
12706	CD4015	16	Dual 4-Stage Static Shift Register	.39	.35	13400	CD4093	14	Quad 2-Input NAND Schmitt Trigger	.39	.35
12722	CD4016	14	Quad Bilateral Switch	.39	.35	13426	CD4094	16	8-Stage Shift-and-Store Bus Register	.99	.89
12749	CD4017	16	Decade Counter/Divider	.49	.45	13434	CD4098	16	COS/MOS Dual Monostable Multivibrator	.75	.65
12773	CD4018	16	Presettable Divide-by-N Counter	.49	.45	13442	CD4099	16	8-Bit Addressable Latch	.79	.69
12790	CD4019	16	Quad AND/OR Select Gate	.45	.39	44257	CD40106	14	Hex Inverter Schmitt Trigger (74C14)	.59	.49
12802	CD4020	16	14-Stage Binary/Ripple Counter	.59	.55	44329	CD40171	16	Hex Flip-Flop (74C174)	.89	.79
12829	CD4021	16	8-Stage Static Shift Register	.49	.45	44337	CD40192	16	Decade Up/Down Counter (74C192)	1.09	.99
12845	CD4023	14	Triple 3-Input NAND Gate	.29	.25	44345	CD40193	16	Binary Up/Down Counter (74C193)	1.09	.99
12853	CD4024	14	7-Stage Binary Counter	.49	.45	13469	CD4503	16	Tri-State Hex Buffer (80C97) (74C367)	.45	.39
12870	CD4025	14	Triple 3-Input NOR Gate	.29	.25	13485	CD4510	16	BCD Up/Down Counter (MC14510BCP)	.69	.59
12888	CD4027	16	Dual JK Master-Slave Flip-Flop	.45	.39	13493	CD4511	16	BCD to 7-Seg. Latch/Decoder/Driver (MC14511BCP)	.69	.59
12909	CD4028	16	BCD-to-Decimal Decoder	.45	.39	13514	CD4512	16	8-Channel Data Selector (MC14512BCP)	.69	.59
12925	CD4029	16	Presettable Up/Down Counter	.69	.59	13522	CD4514	24	4-Bit Latch/4-16 Line Decoder HI (MC14514BCP)	.99	.89
12941	CD4030	14	Quad Exclusive-OR Gate	.45	.39	13531	CD4515	24	4-Bit Latch/4-16 Decoder (MC14515BCP)	1.29	1.19
12950	CD4040	16	12-Stage Binary/Ripple Counter	.59	.55	13549	CD4516	16	Binary Up/Down Counter (MC14516BCP)	.69	.59
12984	CD4042	16	Quad Clocked D Latch	.59	.55	13565	CD4518	16	Dual BCD Up Counter (MC14518BCP)	.69	.59
12992	CD4043	16	Quad NOR R-S Latch Tri-State	.45	.39	13581	CD4520	16	Dual Binary Up Counter (MC14520BCP)	.69	.59
13004	CD4044	16	Quad 3-State NAND R-S Latch Tri-State	.69	.59	13590	CD4522	16	Program. BCD Divide-by-N Counter (MC14522BCP)	.89	.79
13012	CD4046	16	Micropower Phase-Locked Loop	.69	.59	13602	CD4526	16	Divide-by-N Counter (Binary) (MC14526BCP)	1.19	1.09
13039	CD4047	14	Monostable/Astable Multivibrator	.69	.59	13611	CD4528	16	Dual Monostable Multivibrator (MC14528BCP)	.79	.69
13055	CD4049	16	Hex/Buffer/Converter (Inverting)	.29	.25	13653	CD4538	16	Dual Precision Mono. Multivibrator (MC14538BCP)	.79	.69
13071	CD4050	16	Hex/Buffer/Converter (Non-Inverting)	.29	.25	13688	CD4541	14	Oscillator/Programmable Timer (MC14541BCP)	.79	.69
13098	CD4051	16	Single 8-Channel Multiplexer/Demultiplexer	.65	.55	13696	CD4543	16	BCD to 7-Segment Decoder (LCD) (MC14543BCP)	.89	.79
13119	CD4052	16	Differential 4-Channel Multiplexer/Demultiplexer	.59	.55	13709	CD4553	16	3-Digit BCD Counter (MC14553BCP)	2.19	2.09
13127	CD4053	16	Triple 2-Channel Multiplexer/Demultiplexer	.59	.55	13717	CD4555	16	Dual Binary 1 of 4 Dec./Demultiplexer (MC14555BCP)	.69	.59
13143	CD4059	24	Programmable Divide-by-N Counter	2.59	2.39	13725	CD4556	16	Dual Binary 1 of 4 Decoder Inverter (MC14556BCP)	.69	.59
13151	CD4060	16	14-Stage Ripple-Carry Binary	.59	.55	13750	CD4572	16	Hex Gate (MC14572BCP)	1.19	1.09
13186	CD4066	14	Quad Bilateral Switch	.35	.29	13768	CD4584	14	Hex Schmitt Trigger (MC14584BCP)	.65	.55
13215	CD4067	24	16-Channel Analog Multiplexer/Demultiplexer	1.75	1.59	13784	CD4585	16	4-bit Comparator (MC14585BCP)	.69	.59
13223	CD4068	14	8-Input NAND Gate	.45	.39	93251	DL131D	—	Motorola CMOS Logic Databook	8.95	7.95



CD4000D Series Integrated Circuits

Surface Mount Technology (SMT)

87687	CD4001D	14	Quad 2-Input NOR Gate	\$.69	*	87804	CD4050D	16	Hex/Buffer/Converter (Non Inverting)	\$.89	*
87695	CD4011D	14	Quad 2-Input NAND Gate	.59	*	87812	CD4051D	16	Single 8-Channel Multiplexer/Demultiplexer	.89	*
87708	CD4013D	14	Dual D Flip-Flop with Set/Reset	.69	*	87821	CD4066D	14	Quad Bilateral Switch	.89	*
87716	CD4015D	16	Dual 4-Stage Static Shift Register	.69	*	87839	CD4069D	14	Hex Inverter (74C04)	.89	*
87724	CD4016D	14	Quad Bilateral Switch	.69	*	87847	CD4070D	14	Quad Exclusive-OR Gate (74C86)	.99	*
87732	CD4017D	16	Decade Counter/Divider	.79	*	87855	CD4071D	14	Quad 2-Input OR Gate	.99	*
87741	CD4020D	16	14-Stage Binary/Ripple Counter	.79	*	87863	CD4081D	14	Quad 2-Input AND Gate	.99	*
87759	CD4023D	14	Triple 3-Input NAND Gate	.89	*	87871	CD4093D	14	Quad 2-Input NAND Schmitt Trigger	.99	*
87767	CD4024D	14	7-Stage Binary Counter	1.09	*	87880	CD4511D	16	BCD to 7-Seg. Latch/Decoder/Driver (MC14511)	.99	*
87775	CD4027D	16	Dual J-K Master/Slave Flip-Flop	.89	*	87943	CD4528D	16	Dual Monostable Multivibrator (MC14528)	.99	*
87783	CD4040D	16	12-Stage Binary/Ripple Counter	.99	*	87898	CD4538D	16	Dual Precision Mono. Multivibrator (MC14538)	.99	*
87791	CD4049D	16	Hex/Buffer/Converter (Inverting)	.99	*	87901	CD4584D	14	Hex Schmitt Trigger (MC14584)	1.39	*

*Due to the volatile SMT market, prices subject to change-call for quantities over 100.

We carry major manufacturers – call for pricing in quantities over 100.

Part No.	Product No.	Pins	Description	Price	Part No.	Product No.	Pins	Description	Price
27844	N82S23	16	256-Bit PROM Open Collector	\$2.95	27836	N82S191	24	16,384-Bit PROM (2048x8Tri-State)	\$4.95
27748	N82S100	28	Field Prog. Logic Array (16x48x8 Tri-State) PLS100	9.95	27650	N8T26	16	Tri-State Quad Bus Transceiver (MC6880A)	.99
27764	N82S123	16	256-Bit PROM (32x8 Tri-State)	1.49	27676	N8T37	16	Hex Unified Bus Receiver (DS8837N)	.99
27772	N82S126	16	1024-Bit PROM (256x4 Open Collector)	1.89	27705	N8T95	16	High Speed Hex Buffer Inverter	.89
27781	N82S129	16	1024-Bit PROM (256x4 Tri-State)	1.89	27713	N8T97	16	High Speed Tri-State Hex Buffer (MC6887)	.75
27799	N82S131	16	2048-Bit PROM (512x4 Tri-State)	2.49	27721	N8T98	16	High Speed Tri-State Hex Inverter (MC6888)	.75
27801	N82S137	18	4096-Bit PROM (1024x4 Tri-State)	2.75	27692	N8T380	14	Quad Bus Receiver with Hysteresis (DS8836N)	.69
27810	N82S181	24	8192-Bit Bipolar PROM (1024x8 Tri-State)	4.75	32221	SP380	14	Quad NOR Unified Bus Receiver	.49
27828	N82S185	18	8192-Bit PROM (2048x4 Tri-State)	4.95	84849	SP384	14	Quad 2-Input OR Gate	.69

Intersil Series Integrated Circuits

43748	7106CPL	40	3 1/2-Digit LCD Single-Chip A/D Converter	\$3.95	43828	7218CJLI	28	8-Digit Univ. LED Drive (Common Anode)	\$6.95
43756	7107CPL	40	3 1/2-Digit LED Single-Chip A/D Converter	3.95	51140	7555IPA	8	CMOS Timer (555 Replacement)	.75
43764	7109CPL	40	12-Bit A/D Converter	8.95	51158	7556IPD	14	CMOS Timer (556 Replacement)	1.09
43799	7211MPL	40	4-Digit LCD Display Driver (Micro Compatible)	4.95	51174	7660CPA	8	CMOS Voltage Converter (+5 to ± 5V)	1.49
43810	7217IJI	28	4-Digit LED Up/Down Counter (Common Anode)	11.95	51879	8038CCPD	14	Waveform Generator/Voltage Controlled OSC.	3.65
43801	7217AIP	28	4-Digit LED Up/Down Counter (Common Cathode)	9.95	52020	8069CCSQTO-52/2		Low Voltage Ref. Diode (Used w/7107CPL)	2.95

9000 Series Integrated Circuits

53655	9334	16	8-Bit Addressable Latch (74259)	\$.99	53786	9602	16	Dual Monostable Multivibrator (8602)	\$.59
53663	9368	16	FND 70 Driver/Latch	3.95	53743	96S02	16	Dual Monostable Multivibrator (Schottky)	1.25
53778	9601	14	Retriggerable Monostable Multivibrator (8601)	.69	53735	96LS02	16	Dual Monostable Multivibrator (Low Power-Schottky)	1.25

Commodore Series Integrated Circuits

34500	WD1770	28	5.25" Floppy Disk Controller/Formatter (For 1571 Drive)	\$9.95	43334	6560	40	VIC-I (Video Interface Chip)	\$9.95
43191	6502	40	MPU with Internal Clock	3.95	43342	6567	40	VIC-II Video Interface Chip (for C64)	14.95
43211	6504A	28	CPU with Internal Clock	2.25	43351	6581	28	SID (12V) Sound Interface Device	16.95
43220	6510	40	CPU MPN w/8 bit Bi-Directional I/O Port	12.95	52951	8564	48	VIC Video Interface Chip (for C128)	9.95
43246	6520A	40	PIA (Peripheral Interface Adapter) 2MHz	3.95	52994	8722	48	MMU Memory Management Unit (for C128)	9.95
43254	6522	40	VIA (Versatile Interface Adapter)	3.75	52441	82S100PLA	28	Prog. Logic Array (906114-01) (for C64 and C128)	14.95
43271	6526	40	CIA (Complex Interface Adapter)	14.95	53364	901225-01	24	Static ROM (for C64)	9.95
43289	6526A	40	CIA (Complex Interface Adapter) 2MHz	14.95	53372	901226-01	24	BASIC ROM (for C64)	9.95
43297	6532	40	128x8 RAM, I/O, Timer Array	3.95	53381	901227-02	24	Kernal ROM (for C64) Rev. 2	9.95
43318	6551	28	ACIA (Asynchronous Comm. Interface Adapter)	2.95	53401	901229-05	24	Upgrade ROM (for 1541 Disk Drive)	9.95
43326	6551A	28	ACIA (Asynchronous Comm. Interface Adapter) 2MHz	3.75	53410	901460-03	24	ROM (for VIC20)	9.95

Generators

11771	BR1941M	18	Dual Baud Rate Clock Generator (Com. 5016)	\$1.49	52257	WD8116	18	Dual Baud Rate Clock Generator (with Prog. Divider)	\$4.95
34972	XR2206	16	Monolithic Function Generator	3.75	25021	MC14411P	24	Bit Rate Generator	7.49
39044	WD2143M	18	Four Phase Clock Generator	.99	10807	AY-3-8910	40	Prog. Sound Generator w/Two 8-Bit I/O Ports	6.95
51879	8038CCPD	14	Precision Wave Form Generator	3.65	10815	AY-3-8912	28	Prog. Sound Generator w/One 8-Bit I/O Port	5.95

Telephone / Keyboard Chips

10541	AM7910	28	Frequency Shift Keying (FSK) Modem Chip	\$14.95	32803	TCM5089N	16	Integrated Tone Dialer	\$1.75
44564	74C922	18	Keyboard Encoder (16 Keys) (INS8245N)	5.95	26075	MM53130N	18	Touch Tone Dialer	6.95
44572	74C923	20	Keyboard Encoder (20 Keys) (INS8246N)	9.95	33654	TMS99532NL	18	FSK Modem Bell 103 Compatible (300 bits/sec.)	3.95

Miscellaneous Circuits

(see page 56 for additional miscellaneous circuits)

76646	DS1287	24	Real Time Clock plus RAM	\$9.95	16432	DS8830N	14	Dual Differential Line Driver (75183)	\$1.19
39642	2661-3	28	Enhanced Peripheral Comm. Interface (MC68661PC)	2.95	10567	AM9513APC	40	System Timing Controller	34.95
40731	3341PC	16	64 word x 4-bit FIFO Serial Memory (AM3341PC)	6.95	10532	AM29705PC	28	16-Word x 4-Bit 2-Port RAM	1.95
48231	74L74	14	Low Power Dual D Flip-Flop	.29	10794	AY-3-8500-1	28	Ball & Paddle Color Game Chip	.99
16424	DS8820N	14	Dual Line Receiver (75182)	1.19	76654	82C206	84	DMA/Interrupt/Timer/Counter/ Real Time Clock	9.95

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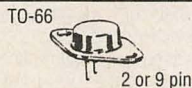
Part No.	Product No.	Pins	Description	1-9	10-99	Part No.	Product No.	Pins	Description	1-9	10-99
23051	LH0002CN	10	Current Amplifier	\$7.95	\$7.49	23000	LF398N	8	Sample and Hold Circuit	\$1.85	\$1.65
27852	OP07	8	Ultra-Low-Offset-Voltage Op Amp	1.95	1.75	24301	LM399H	TO-5/4	Temp. Compensated Prec. Ref. (.5 ppm/C°)	3.75	3.55
23106	LM10CLN	8	Low Voltage (1.1 volt) Op Amp	2.49	2.29	23018	LF411CN	8	Low Offset, Low Drift JFET Input Op Amp	.89	.79
25751	MF10CN	20	General Purpose Dual Active Filter	2.95	2.75	23026	LF412CN	8	Low Offset Low Drift JFET Input Dual Op Amp	1.19	1.09
16301	DS0026CN	8	Dual Mos Clock Driver (5MHz) 20V Output	2.49	2.25	33347	TL431CLP	8	Programmable Precision Reference	.89	.79
33152	TL061CP	8	Low Power JFET Op Amp	.79	.69	33355	TL494CN	16	Controlled Circuit Pulse Width Modulated	1.79	1.55
33161	TL062CP	8	Low Power JFET Op Amp	.79	.69	33363	TL497ACN	14	Switching Voltage Regulator	1.95	1.75
33179	TL064CN	14	Low-Power JFET-Input Op Amp	.89	.79	27422	NE555V	8	Timer (MC1455P) (UPC1555C)	.45	.39
23069	LH0070-OH	TO-5/3	Precision BCD Buffered Reference	6.95	6.49	34930	XRL555	8	Micro Power 555 Timer	.89	.79
33187	TL071CP	8	Low Noise JFET Op Amp	.69	.59	24328	LM556N	14	Dual 555 Timer (MC3456P)	.49	.45
33195	TL072CP	8	Low Noise JFET Dual Op Amp	.79	.69	27457	NE558N	16	Quad Timer	.75	.65
33216	TL074CN	14	Low Noise JFET Quad Op Amp	.89	.79	27473	NE564N	16	High Frequency Phase Locked Loop	1.59	1.49
33232	TL081CP	8	JFET-Input Op Amp	.69	.59	24352	LM565N	14	Phased Locked Loop	1.49	1.39
32109	SMP81FY	14	Sample and Hold Amplifier	1.49	1.25	24379	LM566CN	8	Function Generator (VCO)	1.19	1.09
33241	TL082CP	8	JFET-Input Dual Op Amp	.59	.49	24395	LM567V	8	Tone Decoder	.69	.59
33267	TL084CN	14	JFET Input Quad Op Amp	.89	.79	27481	NE570N	16	Compander	2.79	2.59
24811	MAX232CPE	16	Dual RS232 Receiver/Transmitter	2.75	2.55	27490	NE571N	16	Compander	1.95	1.75
23392	LM301N	8	Improved Op Amp	.45	.39	27502	NE592N	14	Differential Video Amp	.39	.35
23384	LM301H	TO-5/8	Improved Op Amp	.75	.65	33451	TL592P	8	Differential Video Amp	.39	.35
23413	LM305H	TO-5/8	Positive Voltage Regulator (4.5V-40V)	.99	.89	24441	LM710N	14	Voltage Comparator	.65	.55
23430	LM307N	8	Op Amp (Advanced LM741CN)	.39	.35	24459	LM723CH	TO-5/10	Voltage Regulator (2V-37V)	.89	.79
23464	LM308N	8	Precision Op Amp	.65	.55	24467	LM723CN	14	Voltage Regulator (2V-37V)	.49	.45
23472	LM308N-14	14	Micro Power Op Amp	.89	.79	24483	LM725CN	8	Instrumentation Op Amp	3.95	3.75
23456	LM308H	TO-5/8	Precision Op Amp	1.19	1.09	24491	LM733CN	14	Differential Amp	.59	.49
23499	LM309K	TO-3	5-Volt Amp Regulator (1 Amp)	1.75	1.55	24539	LM741CN	8	Op Amp (ULN2151)	.39	.35
23510	LM310N	8	Non-inverting Op Amp/Volt. Follower	1.75	1.55	24521	LM741CH	TO-5/8	Op Amp	.89	.79
23528	LM311N	8	Volt. Comparator	.45	.39	24512	LM741-14N	14	Op Amp	.89	.79
23544	LM317K	TO-3	1.5A Adj. Pos. Regulator (1.2V-37V)	1.95	1.75	24563	LM747CN	14	Dual 741 Op Amp	.59	.49
23552	LM317LZ	TO-92/3	100mA Adjustable Pos. Regulator (1.2V-37V)	.69	.59	24598	LM748CN	8	Frequency Adjusted 741	.59	.49
23579	LM317T	TO-220/3	1.5A Adj. Pos. Reg. (1.2V-37V)	.65	.55	24942	MC1350P	8	Video IF Amp (12V)	.89	.79
23608	LM318N	8	Precision Hi-Speed Op Amp	.99	.89	24969	MC1377P	20	Color TV RGB to PAL/NTSC Encoder	2.49	2.25
23632	LM319N	14	Hi-Speed Dual Comparator	1.09	.99	23122	LM1456V	8	Op Amp Hi-Performance (NE5556)	.99	.89
23667	LM323K	TO-3	5-Volt Positive 3-Amp Regulator	3.19	2.95	23131	LM1458N	8	Dual Op Amp (MC1458P)(RC4558)	.45	.39
23683	LM324N	14	Low Power Quad Op Amp (ULN4336)	.49	.45	23157	LM1488N	14	Quad Line Driver RS232 (75188)	.49	.45
23712	LM329DZ	TO-92/3	Precision Zener 100PPM/C°6.9V	.79	.69	16361	DS14C88N	14	Quad CMOS Line Driver (RS232)	1.09	.99
23721	LM331N	8	Precision Voltage to Freq. Converter	4.75	4.49	23181	LM1489N	14	Quad Line Receiver RS232 (75189)	.49	.45
23739	LM334Z	TO-92/3	Adjustable Current Source	.99	.89	16379	DS14C89N	14	Quad CMOS Line Receiver (RS232)	1.09	.99
23755	LM335Z	TO-92/3	Precision Temperature Sensor	1.29	1.19	23211	LM1496N	14	Balanced Mod/Demodulator (MC1496P)	1.19	1.09
23771	LM336Z	TO-92/3	Voltage Reference (2.5V)	1.09	.99	25128	MC1648P	14	Voltage Controlled Oscillator	3.95	3.75
23798	LM337K	TO-3	3-Terminal Adjustable Negative Regulator	3.35	3.19	23237	LM1871N	18	Radio Control Encoder/Transmitter	4.95	4.75
23801	LM337MP	TO-202/3	.5A/3 Term. Adj. Neg. Reg. (1.2V-37V)	1.75	1.55	23253	LM1872N	18	Radio Control Receiver/Decoder	4.95	4.75
23819	LM337T	TO-220/3	1.5A/Adj. Neg. Reg. (-1.2V-37V)	.89	.79	23270	LM1875T	TO-220	20-Watt Power Audio Amplifier	4.95	4.75
23835	LM338K	TO-3	5A Adjust. Pos. Regulator (1.2V-32V)	4.39	4.19	23288	LM1877N-9	14	Dual Power Audio Amp	3.69	3.49
23851	LM339N	14	Quad Comparator	.49	.45	34260	ULN2001	16	Hi-Volt. Hi-Curr. Darlington Transistor Array	.59	.49
23907	LM346N	16	Programmable Quad Op Amp	1.49	1.25	34278	ULN2003A	16	Hi-Volt. Hi-Curr. Darlington Transistor Array	.95	.85
22904	LF347N	14	Quad JFET Input Op Amp (Wide Band)	.99	.89	34294	ULN2004A	16	High-Volt. Hi-Curr. Darl. Trans. Array (MC1416P)	.89	.79
23915	LM348N	14	Quad 741 Op Amp	.59	.49	34972	XR2206	16	Monolithic Function Generator	3.75	3.55
23931	LM350K	TO-3	3A/3 Term. Adj. Pos. Reg. (1.2V-33V)	3.95	3.75	34999	XR2211	14	FSK Demodulator/Tone Decoder	2.25	2.09
23940	LM350T	TO-220/3	3 Amp Adjustable Power Regulator	2.75	2.55	35001	XR2240	16	Programmable Counter/Timer	1.39	1.25
22912	LF351N	8	BIFET Op Amp	.59	.49	39562	26LS29	16	Quad Three-State Single Ended RS-423 Line Drive	2.95	2.75
22939	LF353N	8	Dual BIFET Op Amp (Compat. w/TL082CP)	.59	.49	39571	26LS30	16	Dual Diff. RS422 Party Line Quad RS423 Line Driver	1.75	1.65
22955	LF355N	8	JFET Input Op Amp Low Supply Current	.89	.79	39589	26LS31	16	Quad Differential Line Driver	.99	.89
22963	LF356H	TO-5	Mono. JFET Op Amp (Wide Bandwidth)	1.19	1.09	39600	26LS32	16	Quad Differential Line Receiver	.99	.89
22971	LF356N	8	JFET Input Op Amp (Wide Band)	.79	.69	39626	26LS33	16	Quad Differential Line Receiver	1.49	1.39
22998	LF357N	8	J-FET Input Op Amp (Wide Band Decompens)	.95	.85	34315	ULN2803A	18	Hi-Volt., Hi-Curr. Darlington Trans. Array	.99	.89
23966	LM358N	8	Low Power Dual Op Amp	.49	.45	23296	LM2901N	14	Quad Comparator (Low Power) MC3302P	.49	.45
23982	LM359N	14	High Speed Norton Op Amp	1.95	1.75	23317	LM2907N	14	Frequency to Voltage Converter	1.49	1.35
23991	LM360N	8	High Speed Differential Comparator	1.95	1.75	23350	LM2917N-8	8	Frequency to Voltage Converter (CS2917)	1.95	1.75
24002	LM361N	14	Hi Speed Diff. Volt Comp. w/Indep. Strobes (NE529)	2.95	2.75	23341	LM2917N-14	14	Frequency to Voltage Converter (CS2917)	1.49	1.35
24029	LM373N	14	AM/FM/SSB Strip	2.75	2.55	23368	LM2931CT	TO-220/5	Adjustable Low Dropout Regulator	1.95	1.75
24037	LM380N	14	2-Watt Audio Power Amp (ULN2280)	.99	.89	23376	LM2941T	TO-220/5	1A Low Dropout Adjustable Regulator	2.95	2.75
24061	LM381N	14	Low Noise Dual Pre-Amp (112dB)	3.49	3.29	25195	MC3470P	18	Floppy Disk Read Amp System	1.19	1.09
24088	LM383T	TO-220/5	7-Watt Audio High Power Amplifier	3.25	2.95	25216	MC3479P	16	Biphase Stepper Motor Driver	3.95	3.75
24096	LM384N	14	5-Watt Audio Amp (ULN2281)	1.95	1.75	25232	MC3486P	16	Quad EIA-422/423 Line Rec. w/3-State Outputs	.89	.79
24109	LM385Z	TO-92/3	Micropower Voltage Reference Diode (2.5V)	1.75	1.49	25259	MC3487P	16	Quad EIA-422 Line Driver w/3-State Outputs	.89	.79
24117	LM385Z1.2	TO-92/3	Micropower Voltage Reference Diode (1.2V)	1.75	1.49	31974	SG3524	16	Regulating Pulse Width Modulator	1.65	1.49
24125	LM386N-1	8	Low Voltage Audio Amp 250mW/6V	.69	.59	24168	LM3900N	14	Quad Amp	.59	.49
24133	LM386N-3	8	Low Voltage Audio Amp 500mW/9V	.89	.79	24184	LM3905N	8	Precision Timer	.99	.89
24150	LM387N	8	Low Noise Dual Pre-Amp	1.75	1.59	24192	LM3909N	8	LED Flasher/Oscillator	1.39	1.29
24213	LM391N	16	Audio Power Driver ($\pm 50V$ or $\pm 100V$)	3.69	3.49	24221	LM3911N	8	Temperature Controller	1.79	1.59
24281	LM393N	8	Dual Comparator	.39	.35	24230	LM3914N	18	Bar-Graph Display Driver	2.19	2.09

We carry major manufacturers – call for pricing in quantities over 100.

Part No.	Product No.	Pins	Description	1-9	10-99	Part No.	Product No.	Pins	Description	1-9	10-99
24256	LM3915N	18	3 DB Steps Bar-Graph Display Driver	\$2.29	\$2.19	22867	LF13201N	16	Quad SPST JFET Analog Switch	\$1.95	\$1.75
24272	LM3916N	18	VU Meter Display Driver	2.49	2.39	23114	LM13600N	16	Dual Transconductance Amp	.89	.79
29356	RC4136N	14	Quad Op Amp (XR4136)	.99	.89	25048	MC14457P	16	CMOS Ultrasonic/Infrared Transmitter	3.95	3.75
29372	RC4151NB	8	Voltage to Freq. Converter (XR4151)	.99	.89	50809	75107	14	Dual Line Receiver (Totem Pole Outputs)	.69	.59
35043	XR4202	14	Quad Programmable Op Amp	.49	.45	50825	75110	14	Dual Line Driver (12mA Current Switch)	.69	.59
27385	NE5532	8	Dual Low-Noise Op Amp	.99	.89	50833	75113	16	Dual Diff. Line Driver w/3-State Outputs	.99	.89
27406	NE5534	8	Low Noise Op Amp	.85	.75	50841	75114	16	Dual Diff. Line Driver (9614)	1.39	1.25
33460	TL7702ACP	8	(-3 to 6V) Supply Voltage Supervisor	1.95	1.75	50876	75150	8	Dual Line Driver (RS232)	1.19	1.09
33478	TL7705ACP	8	(-3 to 10V) Supply Voltage Supervisor	1.95	1.75	50884	75154	16	Quad Line Receiver (9617)	1.19	1.09
51182	78L05	TO-92	5V Positive Voltage Regulator (100mA)	.35	.29	50892	75160	20	Octal Interface Bus Transceiver	3.49	3.29
51203	78L12	TO-92	12V Positive Voltage Regulator (100mA)	.35	.29	50905	75161	20	Octal Interface Bus Transceiver (Single Controller)	3.49	3.29
51238	78S40	16	Switching Regulator 1.5A (1.25V-40V)	1.19	1.09	50913	75162	22	Octal Interface Bus Transceiver (Multi-Controller)	3.49	3.29
51246	7805K	TO-3	5V Pos. Volt Reg. 1 Amp (LM340K-5)	1.69	1.59	50921	75172	16	Quadruple Differential Line Driver	2.95	2.75
51262	7805T	TO-220/3	5V Pos. Volt Reg. 1 Amp (LM340T-5)	.49	.45	50930	75173	16	Quadruple Differential Line Receiver	2.95	2.75
51297	7806T	TO-220/3	6V Pos. Volt Reg. 1 Amp (LM340T-6)	.49	.45	50948	75174	16	Quad Diff. RS422 Line Driver w/3-State Outputs	2.19	2.09
51300	7808T	TO-220/3	8V Pos. Volt Reg. 1 Amp (LM340T-8)	.49	.45	50956	75175	8	Quad Diff. EIA 422A/423A Line Rec.w/3-St. Outputs	2.19	2.09
51318	7812K	TO-3	12V Pos. Volt Reg. 1 Amp (LM340K-12)	1.69	1.49	50964	75176	8	Differential Bus Transceiver	1.95	1.75
51334	7812T	TO-220/3	12V Pos. Volt Reg. 1 Amp (LM340T-12)	.49	.45	16424	75182	14	Dual Line Receiver (DS8820N)	1.19	1.09
51369	7815K	TO-3	15V Pos. Volt Reg. 1 Amp (LM340K-15)	1.39	1.29	16432	75183	14	Dual Differential Line Driver (DS8830N)	1.19	1.09
51377	7815T	TO-220/3	15V Pos. Volt Reg. 1 Amp (LM340T-15)	.49	.45	23157	75188	14	Quad Line Driver RS232 (LM1488N)	.49	.45
51406	7818T	TO-220/3	18V Pos. Volt Reg. 1 Amp (LM340T-18)	.49	.45	23181	75189	14	Quad Line Receiver S232 (LM1489N)	.49	.45
51414	7824T	TO-220/3	24V Pos. Volt Reg. 1 Amp (LM340T-24)	.49	.45	51027	75451	8	Dual Peripheral AND Driver	.39	.35
51422	79L05	TO-92	5V Neg. Voltage Reg. (100mA)	.35	.29	51035	75452	8	Dual Peripheral NAND Driver	.49	.45
51431	79L12	TO-92	12V Negative Voltage Reg. (100mA)	.35	.29	51051	75453	8	Dual Peripheral OR Driver	.49	.45
51457	7905T	TO-220/3	5V Neg. Volt Reg. 1 Amp (LM320T-5)	.49	.45	51107	75477	8	Hi-Speed Switch. Dual Peripheral NAND Driver	.89	.79
51473	7906K	TO-3	6V Neg. Volt Reg. 1 Amp (LM320K-6)	1.69	1.49	51115	75478	8	Hi-Speed Switch. Dual Peripheral OR Drive	.89	.79
51481	7912T	TO-220/3	12V Neg. Volt Reg. 1 Amp (LM320T-12)	.49	.45	51123	75491	14	Quad Segment Driver for LED Readout	.79	.69
51502	7915T	TO-220/3	15V Neg. Volt Reg. 1 Amp (LM320T-15)	.49	.45	51131	75492	14	Hex Digit Driver	.85	.75
51537	7924K	TO-3	24V Neg. Volt Reg. 1 Amp (LM320K-24)	1.69	1.49	25081	MC145106P	18	CMOS Phase Locked Loop Freq. Synthesizer	2.95	2.75
51879	8038CCPD	14	Precision Wave Form Generator	3.65	3.39	25099	MC145406P	16	CMOS RS232-C/V.28 Driver/Receiver	2.19	2.09



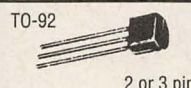
3 or 4 pin



2 or 9 pin



2 pin



2 or 3 pin



3 or 5 pin



3, 8, 10 or 12 pin

RC Encoder/Transmitter Chip

The LM1871 is a complete six-channel digital proportional encoder and RF transmitter intended for use as a low power, non-voice, unlicensed communication device at carrier frequencies of 27MHz or 49MHz with a field strength of 10,000 μ V/meter at 3 meters. In addition to radio controlled hobby, toy and industrial applications, the encoder section can provide a serial input of six words for hard wired, infrared or fiber optic communication links.

Part No.	Product No.	Function	Price
23237	LM1871N	RC Encoder/Transmitter Chip ...	\$4.95
14656	CY49.89	49.890MHz Crystal (LM1871N) ...	1.95



MC14457 Transmitter

The MC14457 is a transmitter constructed in CMOS monolithic technology. This unit is designed for ultrasonic or infrared remote control of TV receivers, converters, communication receivers, and games. Channel selection up to 16 channels can be done single entry; or, up to 256 channels can be done double entry.

Part No.	Product No.	Function	Price
25048	MC14457P	Transmitter Chip	\$3.95

RC Receiver/Decoder Chip

The LM1872 is a complete RF receiver/decoder for radio control applications. The device is well suited for use at either 27MHz or 72MHz in controlling various toys or hobby craft such as cars, boats, tanks, trucks, robots, planes and trains. The crystal controlled superhet design offers both good sensitivity and selectivity. When operated in conjunction with the companion transmitter, LM1871, it provides four independent information channels.

Part No.	Product No.	Function	Price
23253	LM1872N	RC Receiver/Decoder Chip	\$4.95
14648	CY49.43	49.435MHz Crystal (LM1872N) ...	1.95

RCA Linear Series Integrated Circuits

12061	CA3028B	TO-5/8	Differential/Cascode Amplifier	\$1.49	\$1.29	12167	CA3089N	16	FM/IF System (ULN2289)	\$1.25	\$1.09
12079	CA3046N	14	NPN Transistor Array (ULN2046)	.85	.75	12175	CA3096N	16	NPN/PNP Transistor Array	1.95	1.75
12095	CA3059E	14	Zero Voltage Switch	1.49	1.29	12183	CA3130E	8	CMOS Op Amp	.85	.75
12116	CA3080E	8	Operational Transconductance Amp	.79	.69	12204	CA3140E	8	Bi-MOS Op Amp	.75	.65
12124	CA3081N	16	Common Emitter NPN Array (ULN2081)	.59	.49	12221	CA3146E	14	High-Voltage Transistor Array	.89	.79
12132	CA3083N	16	Transistor Array NPN High Current (ULN2083)	.75	.65	12239	CA3161E	16	BCD to 7-Segment Decoder Driver	1.79	1.65
12159	CA3086N	14	Transistor Array NPN (ULN2086)	.75	.65	12247	CA3162E	16	Dual Slope and Rate Analog to Digital Converter	5.95	5.49



SOIC Package

Linear Series Integrated Circuits

Surface Mount Technology (SMT)

88217	TL071CD	8	Low Noise BIFET Op Amp	\$.89	*	86772	LM385D	8	Micropower Voltage Reference Diode	\$.79	*
88129	TL072CD	8	Low Noise BIFET Dual Op Amp	.99	*	86781	LM386M-1	8	Low Voltage Audio Amp. 250W/6V	1.09	*
88137	TL074CD	14	Low Noise BIFET Quad Op Amp	1.29	*	86799	NE555D	8	Timer	.59	*
86692	TL082CD	8	Gen. Purpose BIFET Dual Op Amp	1.29	*	86801	LM556D	14	Dual 555 Timer	.89	*
87951	TL084CD	14	Gen. Purpose BIFET Quad Op Amp	.99	*	88153	LM567D	8	Tone Decoder Phased Locked Loop	1.19	*
86705	LM301D	8	Improved Op Amp	.49	*	86810	LM741D	8	Compensated Op Amp	.59	*
86713	LM311D	8	High Performance Volt Comparator	.69	*	86828	LM747D	14	Dual 741 Op Amp	.65	*
86721	LM324D	14	Low Power Quad Op Amp	.69	*	86836	LM1458D	8	Dual Comp. Op Amp	.59	*
86730	LM336D	8	Voltage Reference (2.5V)	.99	*	86844	LM1488D	14	Quad Line Driver RS232	.59	*
86748	LM339D	14	Quad Comparator	.59	*	86852	LM1489D	14	Quad Line Receiver RS232	.59	*
86756	LF351D	8	BIFET Op Amp	.89	*	86861	ULN2003AD	16	Hi-Volt. Hi-Curr. Darlington Transistor Array	1.19	*
88145	LF356D	8	JFET General Purpose Input Op Amp	1.49	*	86879	NE5532D	8	Dual Low-Noise Op Amp	1.19	*
86764	LM358D	8	Low Power Dual Op Amp	.59	*	86887	78L05ACM	8	5V Positive Voltage Regulator (100mA)	1.09	*

*Due to the volatile SMT market, prices subject to change-call for quantities over 100.

Z80 Series Microprocessors

We carry major manufacturers – call for pricing in quantities over 100.

Part No.	Product No.	Pins	Description	Price	Part No.	Product No.	Pins	Description	Price
35561	Z80	40	CPU (MK3880N)(780C) 2.5MHz	\$1.49	35684	Z80A-SIO/2	40	Serial I/O (Lacks SYNCB) (MK3887-4) 4MHz	\$3.25
35570	Z80-CTC	28	Counter Timer Circuit (MK3882) 2.5MHz	1.49	35705	Z80B	40	CPU (MK3880N-6) 6MHz	2.59
35588	Z80-PIO	40	Parallel I/O Interface Controller (MK3881) 2.5MHz	1.49	35713	Z80B-CTC	28	Counter Timer Circuit (MK3882-6) 6MHz	2.95
35596	Z80A	40	CPU (MK3880N-4) (780C-1) 4MHz	1.49	35721	Z80B-DART	40	Dual Asynchronous Receiver/Transmitter 6MHz	3.95
35609	Z80A-CTC	28	Counter Timer Circuit (MK3882-4) 4MHz	1.49	35730	Z80B-PIO	40	Parallel I/O Interface Controller (MK3881-6) 6MHz	2.95
35625	Z80A-DART	40	Dual Asynchronous Rec./Transmitter 4MHz	3.49	35756	Z80B-SIO/2	40	Serial I/O (Lacks SYNCB) (MK3887-6) 6MHz	3.95
35641	Z80A-PIO	40	Parallel I/O Interf. Contr. (MK3881-4) 4MHz	1.75	35781	Z84C00-4	40	CPU (Z84C0004PEC) 4MHz	3.75
35668	Z80A-SIO/0	40	Serial I/O (TxCB & RxCB Bonded)(MK3884-4) 4MHz	3.19	35799	Z8530	40	Serial Communications Controller	3.95
35676	Z80A-SIO/1	40	Serial I/O (Lacks DTRB) (MK3885-4) 4MHz	2.95	104328	Zilog MPUs and Peripherals Data Book (See page 22)			9.95

5000 Series Clock Chips

32803	TCM5089N	16	Integrated Tone Dialer	\$1.75	82413	MM5375AF/N	24	24Hr. 50Hz 6 Digit/Alarm	\$1.75
25929	MK50250N	28	4/6-digit Alarm with snooze clock chip (5LT43)	1.95	82405	MM5375AG/N	24	12Hr. 60Hz 6 Digit/Alarm	1.75
25937	MK50316N	28	4/6-digit clock chip	1.75	82392	MM5386N	40	24Hr. 50/60Hz 4 Digit/Alarm/Snooze	1.75
26083	MM5314	24	6-Digit LED/Incandescent Readout Clock Chip • 12 or 24 hour display • 4-6 digit display mode • BCD and 7-segment outputs	\$1.75	26163	MM5437N	8	Digital Noise Source	1.95
26091	MM5321N	16	TV Camera Synchronous Generator	\$13.95	26171	MM5450N	40	34-Segment LED Display Driver	3.95
26104	MM5369AA/N	8	Programmable Oscillator/Divider (60Hz)	2.49	26606	MSM5832RS	18	Microprocessor Real Time Clock/Calendar	3.75
82448	MM5375AA/N	24	12 Hr. 60Hz 6 Digit/Alarm	1.75	26235	MM5837N	8	Digital Noise Source	3.95
82421	MM5375AC/N	24	24Hr. 50Hz 6 Digit/Alarm	1.75	26075	MM53130N	18	Touch Tone Dialer	6.95
					26147	MM54104N	40	Speech Processor Chip and data	24.95
					26201	MM58167AN	24	Microprocessor Real Time Clock	5.95
					26219	MM58174AN	16	Microprocessor Compatible Clock	8.95
					26227	MM58274N	16	Microprocessor Compatible Real Time Clock	7.49

6000 Series Microprocessors

43158	6402	40	CMOS/LSI UART (TR1863)	\$4.95	43289	6526A	40	Complex Interface Adapter (2MHz)	\$14.95
43191	6502	40	MPU with Internal Clock (1MHz)	3.95	43297	6532	40	128x8 RAM, I/O and Timer Array	3.95
43166	65C02	40	MPU with Internal Clock (CMOS)	5.95	43318	6551	28	Asynchronous Comm. Interface Adapter	2.95
43211	6504A	28	CPU with Internal Clock	2.25	43326	6551A	28	Asynchronous Comm. Interface Adapter (2MHz)	3.75
43220	6510	40	MPU with 8-Bit Bi-Directional I/O Port	12.95	43182	65C51	28	Asynchronous Comm. Interface Adapter (CMOS)	3.19
43246	6520A	40	Peripheral Interface Adapter (2MHz)	3.95	43334	6560	40	Video Interface Chip I (NTSC)	9.95
43254	6522	40	Versatile Interface Adapter	3.75	43342	6567	40	Video Interface Chip II (NTSC)	14.95
43174	65C22	40	Versatile Interface Adapter (CMOS)	4.75	43351	6581	28	Sound Interface Device (12V)	16.95
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* 8048, 8049 (ROM not available for use) Tie Pin 7 high to bypass the International ROM (to convert 8048 to 8035 or 8049 to 8039)

** Tie Pin 31 low to bypass the International ROM

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39061	2148HN-3	18	1KB x 4 55ns	1.95	42876	62256LP-85	28	32KB x 8 85ns CMOS Low Power (M5M5256-85)	5.69
42198	5101	22	256B x 4 450ns (CMOS)	2.25	42833	62256LP-10	28	32KB x 8 100ns CMOS Low Power (MB84256A-10)	5.19
42788	6116P-1	24	2KB x 8 100ns (16KB) CMOS (MB8416A-10)	2.49	42850	62256LP-12	28	32KB x 8 120ns CMOS Low Power (TC55257AL-12)	4.89
42796	6116P-2	24	2KB x 8 120ns (16KB) CMOS (UPD446C-5)	2.29	103982	628128LP-80	32	128KB x 8 80ns CMOS Low Power	17.95
42809	6116P-3	24	2KB x 8 150ns (16KB) CMOS	2.09	52206	81C74-35	22	16KB x 4 CMOS S-RAM	.99
42737	6116LP-1	24	2KB x 8 100ns (16KB) LP CMOS	2.95	93243	Motorola Fast Static RAM Data Book (See page 20)			9.95

Dynamic & Video RAMS

25902	MK4027N-4	16	4KB x 1 250ns (UPD414)	\$1.25	41540	41264-12	24	64KB x 4 120ns Video Ram .3" wide	\$5.95
41321	4116-12	16	16KB x 1 120ns (MM5290N-1)	1.75	41611	41464-80	18	64KB x 4 80ns (HM50464-80)	2.95
41339	4116-15	16	16KB x 1 150ns (MB8116H)	1.09	41574	41464-10	18	64KB x 4 100ns (M5M4416-10)	2.75
41566	4128-15	16	128KB x 1 150ns (Piggyback)	2.95	41582	41464-12	18	64KB x 4 120ns (MB81464-12)	2.49
41620	4164-100	16	64KB x 1 100ns (P2164-10)	1.79	52281	81416-10	18	16KB x 4 100ns (M5M4416-10)	1.75
41638	4164-120	16	64KB x 1 120ns (HY5164S-12)	1.59	42235	511000P-60	18	1MB x 1 60ns (UPD411000-60)	6.49
41662	4164-150	16	64KB x 1 150ns (MCM6665-15)	1.39	42243	511000P-70	18	1MB x 1 70ns (P21010-70)	6.25
33620	TMS4416-12	18	16KB x 4 120ns (MB81416-12)	1.49	42251	511000P-80	18	1MB x 1 80ns (MB811000-80)	5.95
33638	TMS4416-15	18	16KB x 4 150ns (48416-15)	1.25	42219	511000P-10	18	1MB x 1 100ns (M5M4C1000-10)	5.75
33646	TMS4416-20	18	16KB x 4 200ns (41416-20)	.99	93374	514256P-70	20	256KB x 4 70ns (TC514256P-70)	5.95
41435	41256-60	16	256KB x 1 60ns (M5M4256P-60)	2.49	42315	514256P-80	20	256KB x 4 80ns (UPD424256-80)	5.75
41443	41256-80	16	256KB x 1 80ns (HM50256-80)	2.29	42294	514256P-10	20	256KB x 4 100ns (TMS44C256-10)	5.49
41371	41256-100	16	256KB x 1 100ns (HY53C256LS-10)	1.75	93411	511000J-70	SOJ	1MB x 1 70ns (M5M4C1000-70)	9.49
41398	41256-120	16	256KB x 1 120ns (MB81256-12)	1.59	93438	514100J-70	SOJ	4MB x 1 70ns (MB81C4100-70)	29.95
41427	41256-150	16	256KB x 1 150ns (P21256-15)	1.49	93420	514400J-70	SOJ	1MB x 4 70ns (MSM514400J-70)	29.95
41531	41256K	16	256KB x 1 120ns (XT computers only)	1.25	93260	Motorola Dynamic RAM Data Book (See page 20)			11.95

DRAM Modules

66579	4128891	Compaq DeskPro 286e, 386s, 386/20e, 386/25, 386/25e 4MB Module	\$249.95	66667	1000005	Hewlett-Packard Laserjet IIP, IIP+, III, IIIP, IIID 2MB Board	\$129.95
66587	2128897	Compaq DeskPro 386/25M and IBM PS/2 Models: 55 SX-031, -061 50Hz, 55LS, 40SX, 65SX, 70-E61, 70-161, 70-121, P70, P75 486; PS1 Model 386SX2123 2MB Module	119.95	75045	P36256XX-2-7	256KB x 36-bit, 70 ns	69.95
66632	2000047	IBM PS/2 models: 55SX-031, -061; 65SX, 35SX, 35LS, 40SX, 55LS, PS/1 Model: 386SX2123 4MB Module	209.95	75088	P36512-XX-NQ-7	512KB x 36-bit, 70 ns	119.95
				75117	P361000-XX-QC-7	1MB x 36-bit, 70 ns	199.95
				75213	P362000-XX-QC-7	2MB x 36-bit, 70 ns	449.95
				75168	P364000-XX-QC-7	4MB x 36-bit, 70 ns	749.95

SIPPs*

41478	41256A9A-80	256KB x 9	80ns	\$15.95	41718	421000A9A-80	1MB x 9	80ns	\$49.95
41451	41256A9A-10	256KB x 9	100ns	15.49	41697	421000A9A-10	1MB x 9	100ns	47.95
41700	421000A9A-70	1MB x 9	70ns	54.95	93382	JE430	SIPP to SIMM Module Converter (See page 56)		9.95

SIMMs*

41689	421000A8B-80	1MB x 8	80ns	\$49.95	41751	421000A9B-70	1MB x 9	70ns	\$54.95
41507	41256A9B-60	256KB x 9	60ns	16.95	41769	421000A9B-80	1MB x 9	80ns	48.95
41515	41256A9B-70	256KB x 9	70ns	15.95	41734	421000A9B-10	1MB x 9	100ns	49.95
41523	41256A9B-80	256KB x 9	80ns	14.95	53698	94000S-60	4MB x 9	60ns	179.95
41486	41256A9B-10	256KB x 9	100ns	14.95	53701	94000S-70	4MB x 9	70ns	169.95
41742	421000A9B-60	1MB x 9	60ns	59.95	53719	94000S-80	4MB x 9	80ns	159.95

Due to customer requests, Jameco has developed this IC Quick Reference Index to assist you in finding the IC you need. Example: Find Product No. ADC0803LCN. This part can be ordered under Part no. 10145, and is located on Page 13. Some ICs have two different product numbers. Jameco uses the most common industry product no. and references the lesser known number in its description. For example, locate 74C368 in the IC Quick Reference (page #18). You will find references to part #51721 and page #7. Open your catalog to page #7 and locate part #51721. Notice that 80C98 is the product no. (most common) and 74C368 (lesser known) is in the description. Use the Jameco part number 51721 to place your order.

Product#	Part#	Page#	Product#	Part#	Page#	Product#	Part#	Page#	Product#	Part#	Page#	Product#	Part#	Page#	Product#	Part#	Page#
ADC0803LCN	10145	13	CD4050D	87804	8	DM8563N	49939	3	LM337MP	23801	10	LM3915N	24256	11	MC68705U3S	25371	12
ADC0804LCN	10153	13	CD4051	13098	8	DM8570N	49681	3	LM337T	23819	10	LM3916N	24272	11	MC68881RC20A	25398	12
ADC0808CCN	10170	13	CD4051D	87812	8	DM8590N	49699	3	LM338K	23835	10	LM13600N	23114	11	MCM2128-10	38738	15
ADC0809CCN	10188	13	CD4052	13119	8	DM8599N	49883	3	LM339D	86748	11	M5M4256P-10	41371	15	MCM6064-12	42930	15
ADC0817CCN	10209	13	CD4053	13127	8	DM8601N	53778	9	LM339N	23851	10	M5M4416-10	52281	15	MCM6256-10	41371	15
ADC0820CCN	10225	13	CD4059	13143	8	DM8602N	53786	9	LM340K-5	51246	11	M5M4464-10	41574	15	MCM6665-15	41662	15
AM3341PC	40731	9	CD4060	13151	8	DS0026CN	16301	10	LM340K-12	51318	11	M5M5165P-12	42930	15	MCM60256AP-70	82472	15
AM7910	10541	9	CD4066	13186	8	DS1220Y	25911	15	LM340K-15	51369	11	M5M5256-85	42876	15	MCM68766C35	24897	12
AM9128-12	38738	15	CD4066D	87821	8	DS1287	76646	9	LM340T-5	51262	11	M5M4C1000-80	42251	15	MF10CN	25751	10
AM9513APC	10567	9	CD4067	13215	8	DS14C88N	16361	10	LM340T-6	51297	11	M5M44C256-10	42294	15	MJ1602	25873	14
AM1408N8	14947	13	CD4068	13223	8	DS14C89N	16379	10	LM340T-8	51300	11	MAX232CPE	24811	10	MK3880N	35561	12
AM29705PC	10532	9	CD4069	13231	8	DS8820N	16424	9	LM340T-12	51334	11	MB8128-12	38738	15	MK3880N-4	35596	12
ATT7C164P-12	74915	15	CD4069D	87839	8	DS8830N	16432	9	LM340T-15	51377	11	MB8264-15	41662	15	MK3880N-6	35705	12
ATT7C164P-15	74763	15	CD4070	13258	8	DS8836N	27692	9	LM340T-18	51406	11	MB81256-10	41371	15	MK3881N	35588	12
ATT7C185P-12	74894	15	CD4070D	87847	8	DS8837N	27676	9	LM340T-24	51414	11	MB81416-12	33620	15	MK3881-4	35641	12
ATT7C194P-15	75002	15	CD4071	13274	8	DT1050	16491	49	LM346N	23907	10	MB81464-10	41574	15	MK3881-6	35730	12
ATT7C199P-15	75037	15	CD4071D	87855	8	DT1057	16504	49	LM348N	23915	10	MB84256A-10	42833	15	MK3882N	35570	12
ATT71C185P-15	74675	15	CD4073	13303	8	FDC1797	38084	13	LM350K	23931	10	MB811000-80	42251	15	MK3882-4	35609	12
AY-3-1015D	10786	14	CD4076	13320	8	FDC9229BT	17081	13	LM350T	23940	10	MB8116H	41339	15	MK3882-6	35713	12
AY-3-8500-1	10794	9	CD4077	13338	8	HM2112	78692	15	LM358D	86764	11	MB81C4100-70	93438	15	MK3884-4	35668	12
AY-3-8910	10807	9	CD4078	13346	8	HM4716A-2	41339	15	LM358N	23966	10	MB81C4256P-10	42294	13	MK3885-4	35676	12
AY-3-8912	10815	9	CD4081	13354	8	HM4864-2	41662	15	LM359N	23982	10	MC846P	25435	6	MK3887-4	35684	12
AY-5-1013A	10823	14	CD4081D	87863	8	HM48416-12	33620	15	LM360N	23991	10	MC848P	25443	6	MK3887-6	35756	12
BR1941M	11771	9	CD4093	13400	8	HM50256-10	41371	15	LM361N	24002	10	MC861P	25486	6	MK4027N-4	25902	15
CA3028B	12061	11	CD4093D	87871	8	HM50464-10	41574	15	LM373N	24029	10	MC1350P	24942	10	MK48202B-15	25911	15
CA3046N	12079	11	CD4094	13426	8	HY5164S-15	41662	15	LM380N	24037	10	MC1377P	24969	10	MK50250	25929	12
CA3059E	12095	11	CD4098	13434	8	HY53C256LS-10	41371	15	LM381N	24061	10	MC1408P6	14912	13	MK50316N	25937	9
CA3080E	12116	11	CD4099	13442	8	INS82C06N	44409	7	LM383T	24088	10	MC1408P7	14939	13	MM5290N-1	41321	15
CA3081N	12124	11	CD4503	13469	8	INS8245N	44564	7	LM384N	24096	10	MC1408P8	14947	13	MM5314	26083	12
CA3083N	12132	11	CD4510	13485	8	INS8246N	44572	7	LM385D	86772	11	MC1416P	34294	10	MM5321N	26091	12
CA3086N	12159	11	CD4511	13493	8	INS8247N	44513	7	LM385Z	24109	10	MC1455P	27422	10	MM5369AA/N	26104	12
CA3089N	12167	11	CD4511D	87880	8	INS8248N	44521	7	LM385Z1.2	24117	10	MC1458P	23131	10	MM5375AA/N	82448	12
CA3096N	12175	11	CD4512	13514	8	LF347N	22904	10	LM386M-1	86781	11	MC1496P	25110	6	MM5375AC/N	82421	12
CA3130E	12183	11	CD4514	13522	8	LF351D	86756	11	LM386N-1	24125	10	MC1648P	25128	6	MM5375AF/N	82413	12
CA3140E	12204	11	CD4515	13531	8	LF351N	22912	10	LM386N-3	24133	10	MC3302P	23296	10	MM5375AG/N	82405	12
CA3146E	12221	11	CD4516	13549	8	LF353N	22939	10	LM387N	24150	10	MC3340P	25144	6	MM5386N	82392	12
CA3161E	12239	11	CD4518	13565	8	LF355N	22955	10	LM391N	24213	10	MC3456P	24328	10	MM5437N	26163	12
CA3162E	12247	11	CD4520	13581	8	LF356D	88145	11	LM393N	24281	10	MC3470P	25195	6	MM5450N	26171	12
CD4000	12554	8	CD4522	13590	8	LF356H	22963	10	LM399H	24301	10	MC3479P	25216	6	MM5837N	26235	12
CD4001	12562	8	CD4526	13602	8	LF356N	22971	10	LM556D	86801	11	MC3486P	25232	6	MM53130N	26075	12
CD4001D	87687	8	CD4528	13611	8	LF357N	22998	10	LM556N	24328	10	MC3487P	25259	6	MM54104N	26147	12
CD4007	12597	8	CD4528D	87943	8	LF398N	23000	10	LM565N	24352	10	MC4024P	25267	6	MM58167AN	26201	12
CD4009	12618	8	CD4538	13653	8	LF411CN	23018	10	LM566CN	24379	10	MC4044P	25275	6	MM58174AN	26219	12
CD4010	54631	8	CD4538D	87898	8	LF412CN	23026	10	LM567D	88153	11	MC6880A	27650	9	MM58274N	26227	12
CD4011	12634	8	CD4541	13688	8	LF13201N	22867	11	LM567V	24395	10	MC6887	27713	9	MSM5832RS	26606	12
CD4011D	87695	8	CD4543	13696	8	LH0070-OH	23069	10	LM710N	24441	10	MC6888	27721	9	M5M514400J-70	93420	15
CD4012	12669	8	CD4553	13709	8	LM0002CN	23051	10	LM723CH	24459	10	MC14174BPC	44329	7	NE529	24002	10
CD4013	12677	8	CD4555	13717	8	LM10CLN	23106	10	LM723CN	24467	10	MC14411P	25021	6	NE555D	86799	11
CD4013D	87708	8	CD4556	13725	8	LM301N	23392	10	LM725CN	24483	10	MC14457P	25048	6	NE555V	27422	10
CD4015	12706	8	CD4572	13750	8	LM301D	86705	11	LM733CN	24491	10	MC14490P	25064	6	NE558N	27457	10
CD4015D	87716	8	CD4584	13768	8	LM301H	23384	10	LM741CH	24521	10	MC14495P	25072	6	NE564N	27473	10
CD4016	12722	8	CD4584D	87901	8	LM305H	23413	10	LM741CN	24539	10	MC14510BCP	13485	8	NE570N	27481	10
CD4016D	87724	8	CD4585	13784	8	LM307N	23430	10	LM741D	86810	11	MC14511BCP	13493	8	NE571N	27490	10
CD4017	12749	8	CD40106	44257	8	LM308H	23456	10	LM741-14N	24512	10	MC14514BCP	13522	8	NE592N	27502	10
CD4017D	87732	8	CD40174	44329	7	LM308N	23464	10	LM747CN	24563	10	MC14515BCP	13531	8	NE5532	27385	11
CD4018	12773	8	CD40192	44337	8	LM308N-14	23472	10	LM747D	86828	11	MC14516BCP	13549	8	NE5532D	86879	11
CD4019	12790	8	CD40193	44345	8	LM309K	23499	10	LM748CN	24598	10	MC14518BCP	13565	8	NE5534	27406	11
CD4020	12802	8	D765AC	16627	13	LM310N											

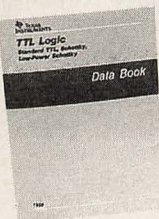
Product#	Part#	Page#	Product#	Part#	Page#	Product#	Part#	Page#	Product#	Part#	Page#	Product#	Part#	Page#	Product#	Part#	Page#
PAL16L8	28020	14	UM82C11	52337	12	2661-2	25347	12	41256-60	41435	15	6852	43650	12	74154	49568	3
PAL16R8	28038	14	UPC1555C	27422	10	2661-3	39642	9	41256-80	41443	15	6854	43668	12	74155	49584	3
PLS100	27748	9	UPD414	25902	15	27503	48557	6	41256-100	41371	15	68766-35	43692	14	74156	49592	3
P2117-2	41339	15	UPD416C-2	41339	15	2708	39909	14	41256-120	41398	15	7106CPL	43748	9	74157	49605	3
P2164-15	41662	15	UPD444C	43238	15	27513	48910	6	41256-150	41427	15	7107CPL	43756	9	74158	49613	3
P21010-80	42251	15	UPD446C-5L	42745	15	2716	40002	14	41256K	41531	15	7109CPL	43764	9	74159	49621	3
P21256-10	41371	15	UPD446A-12	42930	15	2716-1	40011	14	41264-12	41540	15	7201	52804	13	74160	49648	3
P36256XX-2-7	75045	15	UPD41416-12	33620	15	27C16	39706	14	41416-20	33646	15	7211MIPL	43799	9	74161	49664	3
P36512-XX-NQ-7	75088	15	UPD70116-10	34366	13	27S18	48531	6	41464-10	41574	15	7217AIP1	43801	9	74163	49672	3
P361000-XX-QC-7	75117	15	UPD70108-10	34331	13	27S19	48717	6	41464-12	41582	15	7217J1	43810	9	74164	49681	3
P362000-XX-QC-7	75213	15	UPD71037	52556	13	27S20	48805	6	41464-80	41611	15	7218C1J1	43828	9	74165	49699	3
P364000-XX-QC-7	75168	15	UPD71054	52708	13	27S21	48696	6	41256A9A-10	41451	15	7400	48979	3	74166	49701	3
RC4136N	29356	11	UPD71055	52724	13	27S29	48864	6	41256A9A-80	41478	15	7401	49007	3	74167	49710	3
RC4151NB	29372	11	UPD71059	52775	13	2732	40096	14	41256A9B-10	41486	15	7402	49015	3	74170	49744	3
RC4558	23131	10	UPD71082	52855	13	27C32	39765	14	41256A9B-60	41507	15	7403	49031	3	74173	49761	3
RTC58321B	29591	23	UPD71084	52871	13	2732A-20	40109	14	41256A9B-70	41515	15	7404	49040	3	74174	49779	3
SCM21C14E4	31780	15	UPD71086	52898	13	2732A-25	40125	14	41256A9B-80	41523	15	7405	49074	3	74175	49795	3
SCN2681A	31798	14	UPD71088	52919	13	2732A-45	40133	14	421000A8B-80	41689	15	7406	49091	3	74177	49816	3
SG3524	31974	10	UPD27C1001AD-20	39669	14	27S33	48928	6	421000A9A-10	41697	15	7407	49120	3	74179	49824	3
SMP81FY	32109	10	UPD411000-80	42251	15	2764-25	40205	14	421000A9A-70	41700	15	7408	49146	3	74180	49832	3
SP380	32221	9	UPD424256-10	42294	15	2764A-20	40230	14	421000A9A-80	41718	15	7410	49189	3	74181	49841	3
SP384N	84849	9	VL16C550PC	34420	14	2764A-25	40248	14	421000A9B-10	41734	15	7411	49269	3	74182	49859	3
TBP18S030N	32766	14	WD1770	34500	13	2764PULL	40264	14	421000A9B-60	41742	15	7412	49306	3	74189	49883	3
TBP28L22N	32774	14	WD2143M	39044	9	27C64-15	39829	14	421000A9B-70	41751	15	7413	49402	3	74190	49891	3
TC5514	43238	15	WD8116	52257	9	27C64-20	74608	14	421000A9B-80	41769	15	7414	49437	3	74191	49904	3
TC5565P-12	42930	15	XR2206	34972	10	27C64-25	39845	14	43256-10L	41970	15	7416	49630	3	74192	49912	3
TC55257AL-12	42850	15	XR2211	34999	10	27C010-10	79231	14	43256-12L	41988	15	7417	49728	3	74193	49939	3
TC514256P-70	93374	15	XR2240	35001	10	27C010-12	74624	14	4464-12	41582	15	7420	50008	3	74194	49955	3
TC571000D-20	39669	14	XR4136	29356	11	27C010-15	39651	14	48416-15	33638	15	7421	50024	3	74195	49963	3
TCM5089N	32803	12	XR4151	29372	11	27C010-20	39669	14	5016	11771	9	7422	50032	3	74197	49971	3
TDA1170S	32889	6	XRL555	34930	10	27C020-12	78852	14	5101	42198	15	7425	50083	3	74198	49980	3
TDA2002V	32897	6	Z80	35561	12	27C020-15	65699	14	52B13	42340	14	7426	50112	3	74199	49998	3
TDA2003V	74667	6	Z80-CTC	35570	12	27C020-20	65681	14	50464-12	41582	15	7427	50139	3	74221	50041	3
TDA2005M	74819	6	Z80-PIO	35588	12	27C040-15	85462	14	511000P-10	42219	15	7430	50227	3	74251	50091	3
TDA2541	74721	6	Z80A	35596	12	27128-25	39933	14	511000P-60	42235	15	7432	50235	3	74259	50104	3
TDA2822M	74616	6	Z80A-CTC	35609	12	27128A-20	39968	14	511000P-70	42243	15	7437	50307	3	74265	50121	3
THM94000S-80	53719	15	Z80A-DART	35625	12	27128A-25	39984	14	511000P-80	42251	15	7438	50315	3	74273	50155	3
TL061CP	33152	10	Z80A-PIO	35641	12	271280TP	39992	14	514256P-10	42294	15	7440	50358	3	74279	50171	3
TL062CP	33161	10	Z80A-SIO/0	35668	12	27C128-12	87935	14	514256P-80	42315	15	7441	50366	3	74283	50201	3
TL064CN	33179	10	Z80A-SIO/1	35676	12	27C128-15	39677	14	6116LP-1	42737	15	7442	50374	3	74298	50219	3
TL071CD	88217	11	Z80A-SIO/2	35684	12	27S181	27810	9	6116LP-2	42745	15	7444	50391	3	74365	50260	3
TL071CP	33187	10	Z80B	35705	12	27S185	27828	9	6116LP-3	42753	15	7445	50403	3	74366	50278	3
TL072CD	88129	11	Z80B-CTC	35713	12	27S191	27836	9	6116P-1	42788	15	7446	50411	3	74367	50286	3
TL072CP	33195	10	Z80B-DART	35721	12	27256-15	40037	14	6116P-2	42796	15	7447	50420	3	74368	50294	3
TL074CD	88137	11	Z80B-PIO	35730	12	27256-20	40045	14	6116P-3	42809	15	7448	50454	3	74390	50331	3
TL074CN	33216	10	Z80B-SIO/2	35756	12	27256-25	40061	14	6264LP-10	42884	15	7451	50471	3	74393	50340	3
TL081CP	33232	10	Z84C00-4	35781	12	272560TP	40070	14	6264LP-12	42892	15	7454	50497	3	74AHCT00	43844	8
TL082CD	86692	11	Z8530	35799	12	27256PULL	40088	14	6264LP-70	85121	15	7470	50518	3	74AHCT02	43852	8
TL082CP	33241	10	Z8613RS	35801	12	27512-20	40150	14	6264P-10	42921	15	7472	50526	3	74AHCT04	43861	8
TL084CD	87951	11	11C24	25267	6	27512-25	40168	14	6264P-12	42930	15	7473	50534	3	74AHCT08	63431	8
TL084CN	33267	10	11C44	25275	6	275120TP	40184	14	62256LP-10	42833	15	7474	50551	3	74AHCT32	43895	8
TL431CLP	33347	10	16V8-10	88399	14	27C256-12	65904	14	62256LP-12	42850	15	7475	50577	3	74AHCT74	43924	8
TL494CN	33355	10	16V8-12	74595	14	27C256-15	39714	14	62256LP-70	82472	15	7476	50593	3	74AHCT86	43932	8
TL497ACN	33363	10	16V8-15	37452	14	27C256-20	39722	14	62256LP-85	42876	15	7483	50631	3	74AHCT138	63440	8
TL592P	33451	10	16V8-25	37461	14	27C256-25	39731	14	628128LP-80	103982	15	7485	50657	3	74AHCT175	43879	8
TL7702ACP	33460	11	1702A	37647	14	27C512-12	39773	14	6402	43158	12	7486	50665	3	74AHCT244	63466	8
TL7705ACP	33478	11	20V8-10	88292	14	27C512-15	39781	14	6502	43191	12	7489	50681	3	74AHCT245	43887	8
TMM416P-2	41339	15	20V8-12	78334	14	27C512-20	39790	14	65C02	43166	12	7490	50690	3	74ALS00	43941	4
TMM2016P-2	38746	15	20V8-15	38658	14	27C512-25	39802	14	6504A	43211	12	7492	50737	3	74ALS00D	85876	4
TMS2516	33566	14	20V8-25	38666	14	287XL	40483	13	6510	43220	12	7493	50745	3	74ALS02	43959	4
TMS2532A	33591	14	2016-12	38738	15	2816A-25	40387	14	6514	43238	15	7495	50770	3	74ALS02D	85884	4
TMS2564	33603	14	2018-35	38754	15	28C16A-25	74691	14	6520A	43246	12	7496	50788	3	74ALS04	43967	4
TMS2716	33611	14	2068-35	38877	15	2817A-25	40416	14	6522	43254	12	7497	50796	3	74ALS04D	85892	4
TMS4256-10	41371	15	2101	38893	15	2864A	40459	14	65C22	43174	12	74100	49200	3	74ALS05	43975	4
TMS4416-12	33620	15	2102	38906	15	28C64A-25	74827	14	6526	43271	12	74104	49218	3	74ALS05D	85905	4
TMS4416-15	33638	15	2111	38931	15	2865A	40475	14	6526A	43289	12	74105	49226	3	74ALS08	43983	4
TMS4416-20	33646	15	2112	38949	15	28C65A-20	79249	14	6532	43297	12	74107	49234	3	74ALS08D	85913	4
TMS4C1024-80	42251	15	21C14	31780	15	28F010-15	74771	15	6551	43318	12	74109	49251	3	74ALS09	43991	4
TMS44C256-10	42294	15	2114N	38957	15	28F010-20	74780	15	6551A	43326	12	74116	49293	3	74ALS10	44003	4
TMS99532NL	33654	9	2114N-2	38973	15	28F020-15	74835	15	65C51	43182	12	74120	49314	3	74ALS10D	85921	4
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74ALS244	44089	4	74F521D	85825	4	74HC595	46105	7	74LS07	46367	5	74LS193	47036	5	74S240	48581	6
74ALS244D	85999	4	74F541D	85833	4	74HC688	46113	7	74LS08	46375	5	74LS194	47052	5	74S241	48590	6
74ALS245	44097	4	74F573D	87142	4	74HC942	46199	7	74LS08D	86511	4	74LS195	47061	5	74S244	48629	6
74ALS245D	86001	4	74F573D	85841	4	74HC943	46201	7	74LS09	46391	5	74LS196	47079	5	74S280	48688	6
74ALS251	44100	4	74F574	87599	4	74HC4002	45882	7	74LS10	46404	5	74LS197	47087	5	74S287	48696	6
74ALS273	44118	4	74F574D	85850	4	74HC4017	45891	7	74LS100	86529	4	74LS221	47124	5	74S288	48717	6
74ALS273D	86019	4	74F657D	85868	4	74HC4020	45903	7	74LS11	46439	5	74LS240	47141	5	74S299	48741	6
74ALS373	44142	4	74HC00	45161	7	74HC4024	45911	7	74LS13	46543	5	74LS240D	86633	4	74S373	48768	6
74ALS373D	86027	4	74HC00D	86060	7	74HC4040	45920	7	74LS14	46640	5	74LS241	47167	5	74S374	48776	6
74ALS374	44151	4	74HC02	45188	7	74HC4046	45938	7	74LS14D	86537	4	74LS243	47175	5	74S387	48805	6
74ALS374D	86035	4	74HC02D	86078	7	74HC4049	45946	7	74LS15	46691	5	74LS244	47183	5	74S412	48830	6
74ALS573	44169	4	74HC04	45209	7	74HC4050	45954	7	74LS20	47095	5	74LS244D	86641	4	74S428	52513	13
74ALS573D	86043	4	74HC04D	86086	7	74HC4051	88102	7	74LS20D	86545	4	74LS245	47212	5	74S471	52774	14
74ALS574	44177	4	74HC05	88081	7	74HC4060	45962	7	74LS21	47108	5	74LS245D	86650	4	74S472	48864	6
74ALS574D	86051	4	74HC05D	86094	7	74HC4066	45971	7	74LS22	47116	5	74LS247	47247	5	74S571	48910	6
74C00	44222	7	74HC08	45225	7	74HC4075	63992	7	74LS26	47335	5	74LS249	47263	5	74S573	48928	6
74C02	63538	7	74HC08D	86107	7	74HC4514	46009	7	74LS27	47378	5	74LS251	47271	5	75107	50809	11
74C04	44231	7	74HC10	45233	7	74HC4538	46017	7	74LS30	47458	5	74LS253	47280	5	75110	50825	11
74C08	63546	7	74HC10D	86115	7	74HC4543	64012	7	74LS32	47466	5	74LS257	47298	5	75113	50833	11
74C10	44249	7	74HC14	45364	7	74HCT00	44871	6	74LS32D	86553	4	74LS258	47319	5	75114	50841	11
74C14	44257	7	74HC14D	86123	7	74HCT00D	86289	6	74LS33	47503	5	74LS259	47327	5	75150	50876	11
74C32	44388	7	74HC20	45583	7	74HCT02	44880	6	74LS37	47593	5	74LS260	47343	5	75154	50884	11
74C48	44425	7	74HC30	45786	7	74HCT02D	86297	6	74LS38	47693	5	74LS261	47351	5	75160	50892	11
74C73	44433	7	74HC32	45794	7	74HCT04	44898	6	74LS42	47773	5	74LS266	47360	5	75161	50905	11
74C74	44441	7	74HC32D	86131	7	74HCT04D	86300	6	74LS47	47790	5	74LS273	47386	5	75162	50913	11
74C76	44450	7	74HC42	45997	7	74HCT05	63765	6	74LS48	47811	5	74LS273D	86668	4	75172	50921	11
74C86	44476	7	74HC74	46130	7	74HCT08	44901	6	74LS51	47837	5	74LS279	47407	5	75173	50930	11
74C90	44484	7	74HC74D	86140	7	74HCT08D	86318	6	74LS55	47896	5	74LS280	47415	5	75174	50948	11
74C154	44265	7	74HCT10	46156	7	74HCT10	87994	6	74LS73	47992	5	74LS283	47423	5	75175	50956	11
74C173	13320	8	74HC76	46164	7	74HCT10D	86326	6	74LS74	48004	5	74LS293	47431	5	75176	50964	11
74C174	44329	7	74HC76D	88111	7	74HCT14	44935	6	74LS74D	86561	4	74LS299	47440	5	75182	51624	11
74C192	44337	7	74HC85	46172	7	74HCT14D	86334	6	74LS75	48021	5	74LS322	47482	5	75183	51632	11
74C193	44345	7	74HC86	46181	7	74HCT20	88006	6	74LS75D	86570	4	74LS323	47491	5	75188	51657	11
74C221	44361	7	74HC86D	86158	7	74HCT32	45057	6	74LS76	48039	5	74LS347	47511	5	75189	52181	11
74C244	44370	7	74HC112	45276	7	74HCT32D	86342	6	74LS83	48063	5	74LS353	47538	5	75451	51027	11
74C365	51713	7	74HC123	45292	7	74HCT73	88014	6	74LS85	48071	5	74LS365	47546	5	75452	51035	11
74C367	13469	8	74HC123D	86166	7	74HCT74	45137	6	74LS86	48098	5	74LS367	47562	5	75453	51051	11
74C368	51721	7	74HC125	45305	7	74HCT74D	86351	6	74LS86D	86588	4	74LS368	47589	5	75477	51107	11
74C373	44396	7	74HC125D	86174	7	74HCT75	88022	6	74LS90	48119	5	74LS373	47600	5	75478	51115	11
74C374	44409	7	74HC132	45321	7	74HCT76	88031	6	74LS90D	86594	4	74LS373D	86676	4	75491	51123	11
74C911	44513	7	74HC138	45330	7	74HCT86	45145	6	74LS91	48135	5	74LS374	47634	5	75492	51131	11
74C912	44521	7	74HC138D	86182	7	74HCT86D	86369	6	74LS92	48143	5	74LS374D	86684	5	7555IPA	51140	9
74C917	44530	7	74HC139	45356	7	74HCT123	88049	6	74LS93	48151	5	74LS377	47669	5	7556IPD	51158	9
74C920	44548	7	74HC153	45399	7	74HCT138	44927	6	74LS95	48178	5	74LS384	47706	5	7660CPA	51174	9
74C922	44564	7	74HC154	45401	7	74HCT138D	86377	6	74LS107	46412	5	74LS390	47722	5	780C	35561	12
74C923	44572	7	74HC154D	86191	7	74HCT154	88057	6	74LS109	46421	5	74LS393	47731	5	780C-1	35596	12
74C925	44581	7	74HC158	45436	7	74HCT154D	86385	6	74LS112	46447	5	74LS395	47749	5	7805K	51246	11
74C926	44599	7	74HC160	45444	7	74HCT158	44951	6	74LS114	46455	5	74LS399	47757	5	7805T	51262	11
74C948-1	10209	13	74HC161	45452	7	74HCT193	88065	6	74LS122	46471	5	74LS465	52214	5	78L05	51182	11
74F00	44610	4	74HC163	45479	7	74HCT240	45014	6	74LS123	46480	5	74LS466	52222	5	78L05ACM	86887	11
74F00D	85657	4	74HC164	45487	7	74HCT240D	86393	6	74LS123D	86609	4	74LS468	52249	5	7806T	51297	11
74F02	44628	4	74HC165	45495	7	74HCT244	45022	6	74LS125	46501	5	74LS534	47845	5	7808T	51300	11
74F02D	85665	4	74HC174	45508	7	74HCT244D	86406	6	74LS125D	86617	4	74LS540	47861	5	7812K	51318	11
74F04	44636	4	74HC175	45516	7	74HCT245	45031	6	74LS126	46527	5	74LS541	47870	5	7812T	51334	11
74F04D	85673	4	74HC191	45532	7	74HCT245D	86414	6	74LS132	46551	5	74LS573	64418	5	78L12	51203	11
74F08	44644	4	74HC192	45541	7	74HCT273	45049	6	74LS133	46578	5	74LS574	64426	5	7815K	51369	11
74F08D	85681	4	74HC193	45559	7	74HCT273D	86422	6	74LS136	46586	5	74LS579	47909	5	7815T	51377	11
74F10	44652	4	74HC195	45575	7	74HCT373	45065	6	74LS138	46607	5	74LS595	103974	5	7818T	51406	11
74F10D	85690	4	74HC221	45604	7	74HCT373D	86431	6	74LS138D	86625	4	74LS612	47917	5	7824T	51414	11
74F14	44687	4	74HC240	45612	7	74HCT374	45073	6	74LS139	46623	5	74LS629	47925	5	78S40	51238	11
74F14D	85702	4	74HC240D	86203	7	74HCT374D	86449	6	74LS145	46666	5	74LS640	47933	5	7905T	51457	11
74F32	63749	4	74HC242	45639	7	74HCT541	99303	6	74LS147	46674	5	74LS645	47950	5	79L05	51422	11
74F32D	85711	4	74HC244	45655	7	74HCT573	45090	6	74LS148	46682	5	74LS646	47968	5	7906K	51473	11
74F74	44855	4	74HC244D	86211	7	74HCT573D	86457	6	74LS151	46703	5	74LS669	46906	5	7912T	51481	11
74F74D	85729	4	74HC245	45671	7	74HCT574	45102	6	74LS153	46720	5	74LS670	47976	5	79L12	51431	11
74F86	44863	4	74HC245D	86220	7	74HCT574D	86465	6	74LS154	46738	5	74LS688	47984	5	7915T	51502	11
74F86D	85737	4	74HC253	45701	7	74HCT640	45111	6	74LS155	46754	5	74S00	48258	6	7924K	51537	11
74F125D	85745	4	74HC257	45719	7	74HCT688	45129	6	74LS156	46762	5	74S02	48266	6	8031	51844	12
74F138	44661	4	74HC273	45743	7	74HCT688D	103712	6	74LS157	46771	5	74S04	48282	6	8032	102197	12
74F138D	85753	4	74HC273D	86238	7	74HCTLS00	101207	8	74LS158	46797	5	74S05	48291	6	80C31	51676	12
74F139	44679	4	74HC280	45751	7	74HCTLS02	101215	8	74LS160	46800	5	74S10	48320	6	8035	51861	12
74F151	44695	4	74HC299	45778	7	74HCTLS04	101223	8	74LS161	46818	5	74S11	48338	6	8038CCPD	51879	9
74F175	44732	4	74HC365	45807	7	74HCTLS08	101231										

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8087	52118	13	80387-20SX	51924	13	82C12	103755	12	8257-5	52767	13	8464-12	42930	15	9318	49496	3
8087-1	52126	13	80387-25SX	76531	13	8216	52484	12	8259	52775	13	8564	52951	13	9322	49605	3
8087-2	52134	13	80486-25	75109	13	8224	52492	12	8259-5	52783	13	8601	53778	9	9334	53655	9
8088	52142	12	80486-33	75150	13	8226	52505	12	8259A-2	52783	13	8602	53786	9	9342	49859	3
8088-1	52151	12	80486-50	75141	13	8228	52513	13	82C59-5	103771	13	8722	52994	13	93C46	102058	14
8088-2	52169	12	80486DX2-50	75192	13	8237-5	52556	13	8272	52791	13	8741	53006	13	9368	53663	9
80C95	51713	7	80486SX-20	70181	13	82C37-5	103763	13	8274	52804	13	8742	53014	13	9601	53778	9
80C97	13469	7	80486SX-25	75053	13	8243	52581	13	8275	52821	13	8748	53022	13	9602	53786	9
80C98	51721	7	8101	38893	15	8250A	52610	13	8279	52839	13	8748H	53031	13	96LS02	53735	9
80286-8	51799	13	8111	38931	15	8250B	52628	13	8279-5	52847	13	8749H	53057	13	96S02	53743	9
80286-10	51781	13	8114E	38973	15	8251	52644	13	8282	52855	13	8751	53073	13	9614	50841	11
80L286-12	51730	13	8114EL	38981	15	8251A	52652	13	8283	52863	13	8751H	53081	13	9617	50884	11
80287-8	51836	13	8116	52257	12	82C51A	52370	13	8284A	52871	13	87C51	52978	13	901225-01	53364	9
80287-10	51828	13	8155	52290	12	82C53	52679	13	82C84	104045	13	8755	53090	13	901226-01	53372	9
80386-16	69729	13	8155-2	52302	12	8253-5	52687	13	8286	52898	13	9016	49040	3	901227-02	53381	9
80386-20	70172	13	81C55	52193	12	82C53-5	52388	13	8287	52901	13	9016FPC	41339	15	901229-05	53401	9
80386-25	74907	13	8156	52329	12	8254	52708	13	8288	52919	13	9024	49251	3	901460-03	53410	9
80386-33	74974	13	81C74-35	52206	15	8254-2	52716	13	82C88-2	52433	13	9111	38931	15	906108-02	43271	9
80386DX-40	82464	13	81LS95	52214	5	82C54	52396	13	82S100PLA	52441	9	9112	38949	15	906109-01	43342	9
80386SX-16	76398	13	81LS98	52249	5	82C54-2	52409	13	82C206	76654	13	9114BPC	38957	15	906114-01	52441	9
80386SX-20	69711	13	81416-10	52281	15	8255	52724	13	82284	52521	13	9114EPC	38973	15	9102CPC	38906	15
80386SX-25	74886	13	81464-12	41582	15	8255A-5	52732	13	82288	52530	13	9114EPC	38981	15	94000S-60	53698	15
80387-20	51916	13	8205	52450	12	82C55A	52417	13	82C268-10	52361	13	9308	49293	3	94000S-70	53701	15
80387-33	51941	13	82C11	52337	12	82C55A-5	52425	13	8304	52927	13	9311	49568	3	94000S-80	53719	15

IC Memory Cross Reference Guide

Part No.	Product No.	ns	Pins	AMD	Fujitsu	Hitachi	Hyundai	Intel	Mitsubishi	Motorola	NEC	Samsung	Texas Instruments (TI)	Toshiba	
38738	2016-12	120	24	AM9128-12	MB8128-12										
38893	2101	450	22	2101-2	MB8101			P2101A-4							
38906	2102	350	16	9102CPC				P2102A							
38931	2111	450	18	9111	MB8111			P2111A-4		M6811					
38949	2112	450	16	9112				P2112A-4							
38957	2114N	450	18	9114BPC		HM472114A-4		P2114	M5L2114	MCM2114P45	UPD2114				
38973	2114N-2	200	18	9114EPC	MB8114E	HM472114A-2		P2114A-4		MCM2114P20	UPD2114-3				
38981	2114N-2L	200	18	91L14EPC	MB8114EL			P2114AL-4		MCM2114P20	UPD2114L-3				
42745	6116LP-2	120	24		MB8416A-12L	HM6116LP-2	HY6116AL-12			MCM6116-12	UPD446C-5L	KM6816AL-12			
42753	6116LP-3	150	24		MB8416A-15L	HM6116LP-3	HY6116AL-15			MCM6116-15	UPD446C-3L	KM6816AL-15			
42930	6264P-12	120	28	AM90C88-12	MB8464-12	HM6264P-12	HY6264-12		M5M5165P-12	MCM6064-12	UPD446A-12	KM6264-12			
42892	6264LP-12	120	28		MB8464-12L	HM6264LP-12	HY6264L-12		M5M5165P-12L	MCM60L64-12	UPD446A-12L	KM6264L-12			
103982	626128LP-80	80	32		MB841000-80L	HM628128LP-80	HY628100-80		M5M51008-80		UPD431000A-80	KM681000L-70			
50681	7489	60	16	3101		HD7489		P3101		M4064	UPB2089		7489		
41988	43256-12L	120	28		MB84256-12	HM62256-12	HY63C256-12		M5M5256-12	MCM60256AP-12	D43256C-12L	KM62256-12			
48557	74S189	35	16	27503		74S189							74S189		
41339	4116-15	150	16	9016FPC	MB8116H	HM4716A-2		P2117-2		M4116P-15	UPD416C-3		TMS4116N-15	TMM416P-2	
41662	4164-150	150	16		MB8264-15	HM4864-2	HY5164S-15	P2164-15	M5K4164ANP-15	MCM6665-15	UPD4164-3	KM4164B-15	TMS4164-15	TMM4164C-3	
33620	TMS4416-12	120	18		MB81416-12	HM48416-12			M5M4416-12		UPD4146-12		TMS4416-12NL		
41371	41256-100	100	16	AM90C256-10	MB81256-10	HM50256-10	HY53C256S-10	P21256-10	M5M4256P-10	MCM6256-10	UPD41256-10	KM41256-10	TMS4256-10	TMM41256C-10	
41398	41256-120	120	16	AM90C256-12	MB81256-12	HM50256-12	HY53C256LS-12	P21256-12	M5M4256P-12	MCM6256-12	UPD41256-12	KM41256-12	TMS4256-12	TMM41256C-12	
41574	41464-10	100	18		MB81464-10	HM50464-10	HY51464-10		M5M4464-10		UPD41464-10	KM4146A	TMS4464-10		
42219	511000P-10	100	18		MB811000-10	HM511000-10	HY51C1000LS-10	P21010-10	M5M4C1000-10	MCM511000-10	UPD411000-10	KM41C1000-10	TMS4C1024-10	TC511000P-10	
93438	514100J-70	70	SOJ		MB814100-70	HM514100LP-70	HY514100-70			MCM514100-70	UPD424100-70	KM44C1000-70		TC514100J-70	
42294	514256P-10	100	20		MB81C4256P-10	HM514256-10			M5M44C256-10	MCM514256-10	UPD424256-10		TMS44C256-10	TC5144256P-10	
93420	514400J-70	70	SOJ		MB814400LP-70	HM514400LP-70	HY514400-70			MCM514400-70	UPD424400-70	KM41C4000-70		TC514400J-70	
39909	2708	450	24	AM2708	MB8518H	HN462708		D2708		MCM2708	UPD2708		TMS2708-45	TMM322	
40002	2716	450	24	AM2716	MBM2716	HN462716		D2716		MCM2716	UPD2716			TMM323D	
40011	2716-1	350	24	AM2716-1	MBM2716H			D2716-1		MCM2716-35				TMM323D-1	
33591	TMS2532A	450	24			HN462532A				MCM2532A			TMS2532A		
40096	2732	450	24	AM2732DC	MBM2732	HN462732G		D2732			D2732D			TMM2732D	
40125	2732A-25	250	24	AM2732ADC	MBM2732A-25	HN462732AG-25		D2732A			D2732A				
40205	2764-25	250	28	AM2764DC	MBM2764-25	HN462764G		D2764	M5L2764K		D2764		TMS2764JL-25	TMM2764D	
40248	2764A-25	250	28	AM2764ADC	MBM2764A-25	HN462764AG-25		D2764A			D2764A		TMS2764AJL-25		
39669	27C010-20	200	32	AM27C010-20DC	MBM27C1001-20Z	HN27C101G-20		D27C010-20			UPD27C1001AD-20		TMS27C010-200NL	TC571000D-20	
65699	27C020-15	150	32	AM27C020-15				27C020-150VID					TMS27C020-15		
102293	27C040-12	120	32	AM27C040-12				D27C040-12					TMS27C040-12		
39933	27128-25	250	28	AM27128DC	MBM27128-25	HN4827128G-25		D27128	M5L27128K		D27128			TMM27128D-25	
39984	27128A-25	250	28	AM27128ADC		HN4827128AG-25		D27128A			D27128A		TMS27128JL-25		
40045	27256-20	200	28	AM27256D-2	MBM27256-20	HN4827256G-20		D27256-2	M5L27256K-2		D27256-2		TMS27256JL-20	TMM27256D-20	
40061	27256-25	250	28	AM27256DC	MBM27256-25	HN4827256G-25		D27256	M5L27256K		D27256		TMS27256JL-25	TMM27256D-25	
40150	27512-20	200	28	AM27512D-2	MBM27512-20	HN27512G-20		D27512-2	M5L27512K-2		D27512-2		TMS27512JL-20	TMM27512D-20	
40168	27512-25	250	28	AM27512DC	MBM27512-25	HN27512G-25		D27512	M5L27512K		D27512-25		TMS27512JL-25	TMM27512D-25	
48531	74S188	35	16	27S18	MB7111								TBP18SA030N		
48696	74S287	50	16	27S21	MB7114			3621					TBP24S10		
48717	74S288	35	16	27S19	MB7112								TBP18S030N		
48805	74S387	50	16	27S20	MB7113			3601-1			UPB403		TBP24SA10		
48864	74S472	60	20	27S29	MB7124								TBP26S42N		
48910	74S571	55	16	27S13	MB7116			3622							
48928	74S573	60	18	27S33	MB7122			3625			UPB426		TBP24SA41		
27810	N82S181	40	24	27S181	MB7132			3628			UPB428		TBP24S86		
27828	N82S185	40	18	27S185	MB7128								TBP24S81		
27836	N82S191	40	24	27S191	MB7138			3636					TB28S166		



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TEXAS INSTRUMENTS

Texas Instruments TTL Logic

Standard TTL, Schottky, Low-Power Schottky (1988)

Contains specifications and technical information on broad line of TTL integrated circuits including: Standard TTL circuits and Schottky TTL Circuits. (1240 pages)

• Size: 6" x 8.5" • Weight: 8.7 oz.

Part No.	Description	1-9	10-24
88225	Texas Instruments TTL Logic Data Book	\$24.95	\$22.49

Texas Instruments Linear Circuits Operational Amplifiers (1992) Volume 1

Technologies represented in this book include traditional bipolar through BIFET, FIFET, IMPACT™, LinCMOS™, advanced LinCMOS™, and exalibur processes. This volume also provides information on the extensive listing of TI's operational amplifier products. (1404 pages) • Size: 7.5" x 9" • Weight: 11 oz.

Part No.	Description	1-9	10-24
88321	Texas Instruments Linear Circuits Data Book Volume 1	\$21.95	\$19.95

Texas Instruments Linear Circuits (1992)

Data Conversion, DSP Analog Interfaces, and Video Interface Volume 2

Provides information on DSP (digital signal processing) related analog interfaces, video interfaces, video and high-speed converters, ADC converters and DAC converters. (888 pages) • Size: 7.5" x 9" • Weight: 5.8 oz.

Part No.	Description	1-9	10-24
88305	Texas Instruments Linear Circuits Data Book Volume 2	\$17.95	\$15.95

Texas Instruments Linear Circuits (1992)

Voltage Regulators/Supervisors, Comparators, Special Functions, and Building Blocks Volume 3

Provides information on supervisory circuits, switch-capacitance voltage converters, shunt voltage regulators, adjustable series-pass voltage regulators, switching power supply and pulse-width-modulated (PWM) controllers and regulators, timers, disk drive circuits, current mirrors, sonar circuits, sound generators, and video amplifiers. (926 pages) • Size: 7.5" x 9" • Weight: 7.6 oz.

Part No.	Description	1-9	10-24
88356	Texas Instruments Linear Circuits Data Book Volume 3	\$17.95	\$15.95

Texas Instruments Interface Circuits (1991)

Data Transmission and Control Circuits, Peripheral Drivers/Power Actuators, Display Drivers

Provides information on various types of products such as data-transmission circuits, high-current actuators and peripheral drivers, high voltage display drivers, asynchronous communication elements, and intelligent-power devices. (1366 pages)

• Size: 6" x 8.5" • Weight: 13 oz.

Part No.	Description	1-9	10-24
88348	Texas Instruments Interface Circuits Data Book	\$24.95	\$22.49

Texas Instruments Programmable Logic (1993)

Contains design and specification data on TI's line of programmable logic devices (PLD's). Includes information on high-speed 5-ns PAL® circuits and high-density, low-power, erasable programmable logic devices (EPLD's). (721 pages)

• Size: 6" x 8.5" • Weight: 5.2 oz.

Part No.	Description	1-9	10-24
88313	Texas Instruments Programmable Logic Data Book	\$24.95	\$22.49

Texas Instruments Semiconductor Products, Circuit Design Tools and Support (1990)

Contains information on application specific integrated circuits; VLSI Logic and digital logic products; application specific processors and controllers; military products, interface circuits, linear circuits, optoelectronics and image sensors, telecommunications and speech products, and memory products. (404 pages)

• Size: 6" x 8.5" • Weight: 13.9 oz.

Part No.	Description	1-9	10-24
88364	TI Semiconductor Products, Circuit Design Tools and Support Data Book	\$11.95	\$10.49



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MOTOROLA

Motorola Fast and LS TTL Data Book (1992)

Low power Schottky (LSTTL) has become the industry standard logic in recent years, replacing the original 7400 TTL with lower power and higher operating speeds. In addition to producing the standard LS TTL circuits, Motorola also offers the FAST™ Schottky TTL family. Complete specifications for both LS and FAST families are provided here in data sheet form. Functional selector guide provides an overview of current and planned devices. Includes a comparison of the principal characteristics of the two families. (716 pages) • Size: 7" x 9" • Weight: 2 lbs.

Part No.	Description	1-9	10-24
93278	Motorola Fast and LS TTL Data Book	\$9.95	\$8.95

Motorola CMOS Logic Data Book (1991)

Presents technical data for Motorola's broad line of Metal-Gate CMOS Logic ICs. Complete specifications are provided in the form of data sheets. In addition, a product selector guide and handling and design guidelines chapter are included for further information. Includes data on all the logic circuits from the MC14000 series; non-logic devices in this series are covered in the CMOS Application—Specific Standard ICs Data Book. (563 pages)

• Size: 7" x 9" • Weight: 2 lbs.

Part No.	Description	1-9	10-24
93251	Motorola CMOS Logic Device Data Book	\$8.95	\$7.95

Motorola Optoelectronics Device Data Book (1993)

In the optoelectronics field, Motorola has concentrated on infrared GaAs and GaAlAs emitters, silicon detectors, high-technology optocouplers/isolators, and an innovative approach to fiber optics. This data book contains up-to-date information on the complete product line. A selector guide and industry cross-reference follow a general introduction and quality/reliability data. Data sheets are grouped in sections covering Discrete Emitters/Detectors, Fiber Optic Components, Optoisolators/Optocouplers, Slotted Optical Switches and Opto Chips. Includes 82 pages of application notes. (147 pages) • Size: 7" x 9" • Weight: 1 lb.

Part No.	Description	1-9	10-24
93235	Motorola Optoelectronics Device Data Book	\$6.95	\$5.95

Motorola Dynamic RAM Data Book (1993)

Motorola offers a broad range of reliable dynamic RAMs and DRAM modules for virtually any digital data processing system application. Complete specifications for the individual circuits are provided in the form of data sheets. A selector guide and a cross-reference are included. (350 pages)

• Size: 7" x 9" • Weight: 2 lbs.

Part No.	Description	1-9	10-24
93260	Motorola Dynamic RAM Data Book	\$11.95	\$10.95

Motorola Fast Static RAM BiCMOS, CMOS and Module Data Book (1993)

Motorola offers a broad range of fast SRAMs for virtually any digital data processing system application. This data book contains complete specifications for individual FSRAMs circuits in data sheet form, as well as an explanation of Motorola's reliability and quality program and an applications section. (648 pages)

• Size: 7" x 9" • Weight: 3 lbs.

Part No.	Description	1-9	10-24
93243	Motorola Fast Static RAM BiCMOS, CMOS and Module Data Book	\$9.95	\$8.95

Texas Instruments Optoelectronics and Image Sensor Data Book (1990)

Contains information on the three major categories of optoelectronic and image sensing devices from Texas Instruments including:

- CCD linear image sensors
- Optocouplers/optoisolators
- Intelligent LED displays

Also contains information on hermetically sealed standard Pill Package Infrared Emitters and Phototransistors. (475 pages)

• Size: 6" x 8.5" • Weight: 1 lb.

Part No.	Description	1-9	10-24
88330	Texas Instruments Optoelectronics Data Book	\$17.95	\$15.95



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NATIONAL SEMICONDUCTOR AND HEARST PUBLISHING BOOKS

National Interface: Line Drivers & Receivers Handbook (1992)

Contains information on National's advanced line of receivers, transceivers, including RS232, RS422 and RS485. Also included is a complete index, detailed information and application notes for buffers, memory and microprocessor support devices. (554 pages) • Size: 7" x 9"; Weight: 2 lbs.

Part No.	Description	1-9	10-24
76689	National Interface Databook	\$11.95	\$10.49

National Data Acquisition Databook (1993)

Data acquisition systems, active filters, analog switches and multiplexers, A-to-D and D-to-A converters, sample and hold, temperature sensors, voltage references and surface mount. (958 pages) • Size: 7" x 9"; Weight: 2.5 lbs.

Part No.	Description	1-9	10-24
41208	National Data Acquisition Databook	\$14.95	\$13.49

National Operational Amplifiers Databook (1993)

Operational amplifiers, buffers, voltage comparators, instrumentation amplifiers, surface mount, appendices/physical dimensions. (1280 pages) • Size: 7" x 9"; Weight: 2 lbs.

Part No.	Description	1-9	10-24
79071	National Operational Amplifiers Databook	\$17.95	\$15.95

National Linear Application Specific IC's Databook (1993)

Audio circuits, radio circuits, video circuits, display drivers, clock drivers, frequency synthesis, special automotive, special functions, surface mount, appendices/physical dimensions. (1024 pages) • Size: 7" x 9"; Weight: 2 lbs.

Part No.	Description	1-9	10-24
79089	National Linear Application Databook	\$14.95	\$13.49

National Power IC's Databook (1993)

Linear voltage regulators, low dropout voltage regulators, switching voltage regulators, motion control, peripheral drivers, high current switches, surface mount, appendices/physical dimensions. (800 pages) • Size: 7" x 9"; Weight: 2 lbs.

Part No.	Description	1-9	10-24
79062	National Power IC's Databook.....	\$13.95	\$12.49

CLOSE OUT

Hearst Publishing 1993 IC Master

Part No.	Description	1-9	10-24
78941	1993 IC Master (3 Volume Set) weight: 7 lbs.....	\$129.95	\$119.95

Hearst Publishing 1994 IC Master

The all new 1994 IC MASTER has been updated, revised, and expanded from cover-to-cover. Only IC MASTER gives you comprehensive and reliable coverage of today's IC marketplace and keeps pace with the emerging technologies of tomorrow.

Expanded Sections & All New Data

Greatly Expanded FUNCTION INDEX with many new entries and more detail than ever before to speed and simplify your search.

NEW section devoted exclusively to PSEUDO-STATIC RAMs.

NEW category devoted entirely to INSTRUMENTATION AMPLIFIERS providing expanded technical specifications.

SWITCHING REGULATORS section now enhanced with voltage and current specifications. Hundreds of new devices added to OPTO-ELECTRONIC DEVICES.

Thousands of new LOW VOLTAGE DEVICES, devices that can operate at 3 volts or less, are identified in all master selection guides.

ALTERNATE SOURCE DIRECTORY completely updated to add thousands of new listings and flag thousands more as discontinued.

3 volume set; (3200 pages) Size 7.5" x 10.5"; Weight: 8lbs.

Part No.	Description	1-9	10-24
101872	1994 IC Master	\$149.95	\$139.95

NOTE: The Manufacturers of the Data Books do NOT print new books each year. We will carry the most current editions .

INTEL BOOKS

Intel Memory (1993)

This handbook is devoted to techniques and information to help design semiconductors memory into an application or system. Informative data sheets on flash memories, EPROMs, and DRAMs contain many comprehensive charts, block diagrams, operating characteristics and programming modes. (1,952 pages) • Size: 7" x 9"; Weight: 2 lbs.

Part No.	Description	1-9	10-24
38922	Intel Memory.....	\$22.95	\$20.49

Intel Microprocessors (1993)

This handbook contains extensive information on Intel's microprocessor families, numeric coprocessors, cache and memory controllers, floppy and hard disk controllers and development tools for 486, 386, 286, 80C186 and 8086 microprocessors. Also contains comprehensive data sheets and application notes. Two volume set (2,064 pages) • Size: 7" x 9"; Weight: 3 lbs.

Part No.	Description	1-9	10-24
39280	Intel Microprocessors	\$28.95	\$25.95

Intel Embedded Controllers & Processors Book (1993)

Contains detailed programming information, data sheets and applications notes on Intel's line of microcontrollers: 8048, 8051, 8096/8098/8398 and 8080/8085 families. Two volume set (2,963 pages) • Size: 7" x 9"; • Weight: 3 lbs.

Part No.	Description	1-9	10-24
39870	Intel Embedded Controllers & Processors Book	\$25.95	\$23.49

486™ Microprocessor Hardware Reference (1990)

This manual describes the basic mechanisms of the hardware interface of the Intel486™ processor and gives design examples of systems using the processor. It is written for designers who have moderate to advanced experience in microprocessor-based systems. • Size: 6.75" x 9" • 1034 pages • Weight: 2 lbs.

Part No.	Description	1-9	10-24
93201	486™ Microprocessor Hardware Reference	\$27.95	\$24.95

Intel486™ Microprocessor Family Programmer's Reference (1992)

An all-in-one programmer's guide to the personal computer industry's most powerful commercial chip—with information on the new Intel486™ DX2 microprocessor. The high integration Intel486 microprocessor maintains binary compatibility with previous members of the x86 architectural family, but it also processes many enhancements. The most recent member of the family, the Intel 486 DX2, incorporates new speed doubler technology that enables the chip to operate twice as fast as surrounding components.

• 928 pages • Size: 6.75" x 9" • Weight: 2 lbs.

Part No.	Description	1-9	10-24
93227	Intel 486™ Microprocessor Programmer's Reference.....	\$27.95	\$24.95

Pentium™ Processor User's Manual Vol. 1 (1993) Pentium Processor Data Book

The Intel Pentium processor is the next generation. It has all of the features of the Intel486™ CPU and provides significant enhancements to increase performance with additions such as superscalar architecture, dynamic branch prediction, pipelined floating-point unit and bus cycle pipelining. Written for the experienced design engineer, this data book discusses all of these enhancements and more. This data book is the source for all the basic technical specifications for Intel's newest generation of high-end processors. • 320 pages • Size: 6.75" x 9" • Weight: 1.5 lbs.

Part No.	Description	1-9	10-24
93219	Pentium™ Processor User's Manual	\$25.95	\$23.49



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SAMS BOOKS

SAMS Understanding Data Communications (1993)

Third Edition

A clear overview of modems and networks!

by Gilbert Held

Includes the design and management of modems and networks. Covers frequency division multiplexing, time division multiplexing, and T1 multiplexing. Discusses industry standards and technologies. (350 pages) • Size: 7.38" x 9.25"; Weight: 1.4 lbs.

Part No.	Description	1-9	10-24
75512	SAMS Understanding Data Communications.....	\$27.95	\$24.95

SAMS VCR Troubleshooting & Repair (1993)

by Gregory R. Capelo and Robert C. Brenner

This book does an excellent job covering basic electronics principles and how they relate to VCR performance. Gives suggestions on how to avoid breakdowns. Covers stereo (MTS/MCS), super-VHS, H-VHS, and bar code programming. (400 pages)

• Size: 7.38" x 9.25"; Weight: 1.2 lbs.

Part No.	Description	1-9	10-24
74077	SAMS VCR Troubleshooting and Repair	\$22.95	\$20.49

SAMS Video Scrambling and Descrambling for Satellite and Cable TV (1993)

by Rudolf Graf and William Sheets

This book helps readers understand how signals are decoded and encoded. Discusses the theory and techniques behind over-the-air and cable signals. Provides actual descrambling projects. Includes hands-on projects for building a scrambler and descrambler. Shows readers how to build a video test generator with scrambling capability. (256 pages) • Size: 7.38" x 9.25"; Weight: 1.3 lbs.

Part No.	Description	1-9	10-24
74085	SAMS Video Scrambling and Descrambling TV	\$27.95	\$24.95

SAMS Understanding Telephone Electronics (1993)

Third Edition

by John Fike and George Friend; Revised by Stephen J. Bigelow

This successful title explores how conventional telephone systems operate and how digital electronics replace them. Introduces state-of-the-art speech, circuits, dialing, ringing, and central office electronics. Dissects modems and digital technique transmissions. Studies microcomputer and cellular phones. (320 pages)

• Size: 7.38" x 9.25"; Weight: 1.4 lbs.

Part No.	Description	1-9	10-24
75504	SAMS Understanding Telephone Electronics	\$27.95	\$24.95

SAMS RF Circuit Design (1993)

by Chris Bowick

Gives complete design procedures for multiple-pole Butterworth, Chebyshev, and Bessel filters. Covers capacitors, inductors, and other components with their behavior at RF frequencies being discussed in detail. Examines Q, bandwidth, and coupling of resonant circuits. Transistor behavior at RF frequencies is discussed and data sheets are explained. Y and S parameters are introduced. Includes a bibliography of books and technical papers in the appendix to help you further your learning. (176 pages) • Size: 8.5" x 11"; Weight: 2 lbs.

Part No.	Description	1-9	10-24
74093	SAMS RF Circuit Design.....	\$27.95	\$24.95

UPGRADE SAMS QUE Upgrading and Repairing PC's Book (1993)

Third Edition

Ideal for individuals who want an in-depth understanding of how IBM and compatible systems work. This book contains 850 pages of technical specifications and information, and guidelines for upgrading and repairing IBM and compatible 8086/88, 80286, PS/2 and 80386 systems. Appendix includes numerous, helpful charts and tables on system specifications and technical information. (1254 pages) • Size: 7.38" x 9"; Weight: .4 lbs.

Part No.	Description	1-9	10-24
29284	SAMS QUE Upgrading and Repairing PC's Book.....	\$39.95	\$34.95

SEQUOIA PUBLISHING, TAB/OSBORNE MCGRAW HILL BOOKS

Sequoia Publishing Pocket Ref (1993)

Amazing Pocket Reference

Every engineer, geologist, manager, foreman, contractor, purchasing agent, maintenance person, and craftsman needs this book! A must for every student! The do-it-yourselfer's dream! For the traveller: airline and lost credit card 800 numbers, area codes, airport info, money exchange rates, climate data and time zones. And much, much more. 480 pages of tables, maps, formulas, constants & conversions and it fits in your shirt pocket! (490 pages) • Size: 3.25" x 5.38"; Weight: .3 lbs.

Part No.	Description	1-9	10-24
78166	Pocket Reference	\$10.95	\$9.95

Sequoia Publishing Pocket PCRef (1993)

Comprehensive PC Reference

by Thomas J. Glover and Millie M. Young

320 pages of hard to find information for IBM PC's and compatibles. Best of all, it fits in your shirt pocket! (357 pages) • Size: 3.25" x 5.38"; Weight: .2 lbs.

Part No.	Description	1-9	10-24
76806	Pocket Personal Computer Reference.....	\$15.95	\$14.49

TAB Hot ICs for the Electronics Hobbyist (1993)

More than 200 of the most powerful integrated circuits for experimenters.

by Stan Gibilisco

This outstanding collection of circuits explains types of ICs ranging from simple power converters and function generators to practical ICs for video, audio, sound effects, alarm, timer, and filter devices. (464 pages) • Size: 7" x 10"; Weight: 1.6 lbs.

Part No.	Description	1-9	10-24
73699	TAB Hot IC's for the Electronic Hobbyist.....	\$22.95	\$20.49

TAB Understanding Electronics (1989)

By R. H. Warring

Now revised with state of the art information on all the modern advances in electronics. This is a thorough examination of dozens of components. You'll learn exactly what each one is, what it looks like, what it does, and in what types of circuits it is used. (205 pages) • Size: 7.25" x 9.25"; Weight: .8 lbs.

Part No.	Description	1-9	10-24
73664	TAB Understanding Electronics	\$14.95	\$13.49

SAMS TTL Cookbook (1992)

This is a complete look at TTL, including how it works, is interconnected, is powered, and is used in many practical applications. No technician's library is complete without it. (335 pages) • Size: 5.5" x 8.5"; Weight: 1 lb.

Part No.	Description	1-9	10-24
38914	SAMS TTL Cookbook.....	\$27.95	\$24.95

SAMS CMOS Cookbook (1993)

CMOS Cookbook tells you everything you need to know to intelligently use CMOS circuits. User-oriented, stresses real-world applications, pays attention to detail, with a minimum of math and heavy theory. (512 pages) • Size: 5.5" x 8.5"; Weight: 1.5 lbs.

Part No.	Description	1-9	10-24
39221	SAMS CMOS Cookbook.....	\$27.95	\$24.95

SAMS IC Op-Amp Cookbook (1992)

Applications are discussed both in terms of their range and appropriate applicable devices, reflecting the latest technology. Topics covered include: Op-Amp basics, logarithmic and multiplier circuit techniques, amplifier techniques, comparators, the integrator and the differentiator, signal-generation circuits and more! (581 pages) • Size: 8.5" x 5.5"; Weight: 1.5 lbs.

Part No.	Description	1-9	10-24
39212	SAMS IC Op-Amp Cookbook	\$27.95	\$24.95

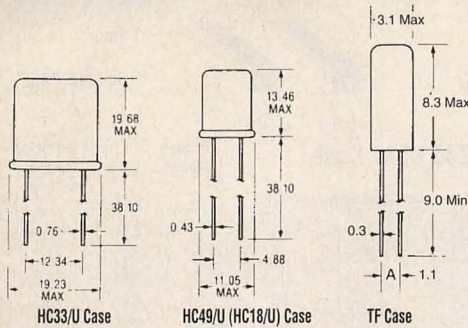
ZILOG MPUs and Peripherals (1992)

Includes specifications for the discrete Z80 family, embedded controllers and serial communications controllers. Plus development support, a Super-integration Products Guide, Support Products Summary, Z80/Z180/Z280 HW/SW support, more! (1324 pages) • Weight: 3 lbs.

Part No.	Description	1-9	10-24
104328	ZILOG MPUs and Peripherals	\$9.95	\$8.95

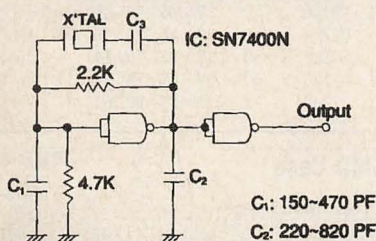
Microprocessor Crystals

Crystals are used as a time base or as a time function to ensure the most reliable clock stability for microprocessor circuits. In the table below, we have listed the case and style of the crystal. If it is parallel resonance, the load capacitance is listed.

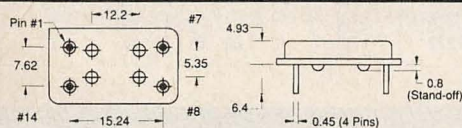


- Frequency Calibration Tolerance: $\pm 50\text{ppm}$ @ 25°C
- Operating Temperature: -10 to $+60^\circ\text{C}$
- Drive Level: 4.0 mW Maximum
- Frequency Stability Tolerance: ± 50 ppm from -10 to $+60^\circ\text{C}$
- Shunt Capacitance: 7pF Maximum

Application Reference (4-14MHz)



Part No.	Product No.	Frequency (MHz)	Resonant Impedance	Microprocessor	1-9	10-99	100-999
HC33/U CRYSTALS							
14349	CY1	1.0	13pf	MC6800/6808/6809E/6500 series..	\$4.95	\$4.49	\$4.25
14357	CY1.84	1.8432	Series	MC14411/CDP1802.4	2.19	1.79	1.59
14470	CY2	2.0	20pf	2650/F-8/MC6800.02/6500 series ..	1.59	1.39	1.25
14496	CY2.45	2.4576	32pf	CDP1702/1802C/1804/1804C	1.95	1.75	1.55
14613	CY4.43	4.433618	20pf	Signetics 2650	1.19	.99	.89
HC49/U (HC18U) CRYSTALS							
102613	CY1.843	1.8432	18pf	MC14411/MC6802	\$2.75	\$2.49	\$1.95
102621	CY2.0	2.0	Series	2650/F-8	2.49	2.25	1.75
101274	CY2.457	2.4576MHz	32pf	CDP1702/1802C/1804/1804C	1.09	.89	.75
14525	CY3.27	3.2768	18pf	IM6100C/CDP1802.4	1.09	.89	.75
14533	CY3.57	3.579545	18pf	MC6801.2.3/MM5369	1.09	.89	.75
14568	CY3.68	3.6864	18pf	8748/8035-8	1.09	.89	.75
14592	CY4	4.0	20pf	MCS-40/MC6802.8.9/CDP1802	1.09	.89	.75
14605	CY4.19	4.194304	12pf	ICM7038/7039	1.09	.89	.75
102630	CY4.433	4.433619	18pf	Signetics 2650	1.09	.89	.75
14621	CY4.91	4.9152	Series	CDP1802C/1804/1804C	1.09	.89	.75
14664	CY5.06	5.0688	Series	COM5016/5016T/5031	1.09	.89	.75
14681	CY6	6.0	18pf	MCS-48/IM8048	1.09	.89	.75
14699	CY6.14	6.144	30pf	MCS-85/8085	1.09	.89	.75
14710	CY7.37	7.3728	30pf	8051/8031	1.09	.89	.75
14728	CY8	8.0	Series	IM6100A/MC68B09	1.09	.89	.75
102648	CY9.83	9.8304	18pf	General Purpose	1.09	.89	.75
14381	CY10	10.0	Series	MCS-85/8085A-2	1.09	.89	.75
14402	CY12	12.0	Series	MCS-86/8086/8284/8202	1.09	.89	.75
14437	CY14.31	14.31818	Series	8080/8224/General Purpose	1.09	.89	.75
14453	CY16	16.0	Series	8080/8224/General Purpose	1.09	.89	.75
14517	CY20	20.0	Series	MCS-80/8080A/8224	1.09	.89	.75
102656	CY24	24.0	Series	MCS-86/8086/8284	1.09	.89	.75
14648	CY49.43	49.435	24pf	LM1872N	1.95	1.75	1.49
14656	CY49.89	49.890	Series	LM1871N	1.95	1.75	1.49
102664	CY50	50.0	Series	General Purpose	2.75	2.49	1.95
14672	CY55.25	55.250	Series	General Purpose	1.95	1.75	1.49
102672	CY100	100.0	Series	General Purpose	3.29	2.89	2.39
TF CRYSTAL							
14584	CY32.76	32.768KHz	10.5pf	Tuning Fork	\$.89	\$.79	\$.65

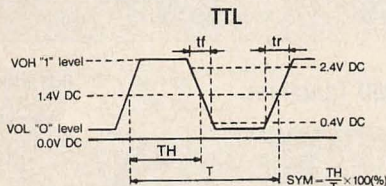


(full size)

A single component oscillator utilizing a combination of thick film hybrid and quartz crystal technology. Suitable for use in computer and digital based equipment.

- Input voltage: +5VDC, $\pm 0.5\text{VDC}$
- OSC series oscillators fit into a standard 14-pin DIP socket

Output Waveforms

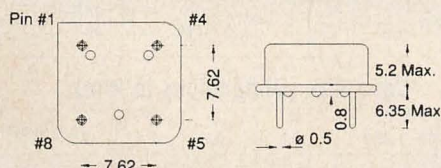


TTL Crystal Clock Oscillators (full can)

- Frequency stability $\pm 100\text{ppm}$
- Operating Temperature: 0 to 70°C

Part No.	Product No.	Frequency (MHz)	Input Current	Rise Fall time	1-9	10-99	100-999
27861	OSC1	1.0	45ma	15ns	\$3.29	\$2.89	\$2.39
27879	OSC1.84	1.8432	45ma	15ns	3.29	2.89	2.39
27924	OSC2	2.0	30ma	15ns	3.29	2.89	2.39
27967*	OSC4	4.0	50ma	10ns	3.29	2.89	2.39
66894	OSC4.002	4.0	50ma	10ns	3.29	2.89	2.39
27991	OSC8	8.0	30ma	15ns	3.29	2.89	2.39
27887	OSC10	10.0	20ma	10ns	3.29	2.89	2.39
27895	OSC12	12.0	50ma	10ns	3.29	2.89	2.39
27908	OSC16	16.0	50ma	10ns	3.29	2.89	2.39
27932	OSC20	20.0	20ma	10ns	3.29	2.89	2.39
102681	OSC24	24.0	20ma	7ns	3.29	2.89	2.39
76814	OSC25	25.0	15ma	7ns	3.29	2.89	2.39
27941	OSC32	32.0	15ma	7ns	3.29	2.89	2.39
27959	OSC32.76	32.768KHz	15ma	6ns	3.29	2.89	2.39
76822	OSC33	33.0	15ma	6ns	3.95	3.49	3.19
27975	OSC40	40.0	15ma	6ns	3.95	3.49	3.19
102761	OSC48	48.0	15ma	6ns	3.95	3.49	3.19
76831	OSC50	50.0	25ma	6ns	3.95	3.49	3.19
76849	OSC60	60.0	15ma	6ns	3.95	3.49	3.19
78721	OSC66.66	66.66	80ma	6ns	3.95	3.49	3.19
77489	OSC80	80.0	80ma	3ns	3.95	3.49	3.19
76857**	OSC100	100.0	90ma	3ns	4.49	3.95	3.49

*(Pin 1 must be grounded) ** (Pin 8 requires 2K Ω load)

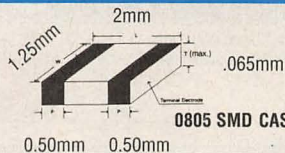


OSCH series oscillators fit into a standard 8-pin DIP socket.

TTL Crystal Clock Oscillators (half can)

- +5VDC, $\pm 0.5\text{VDC}$
- Frequency stability: $\pm 100\text{ppm}$
- Operating Temperature: 0 to 70°C

Part No.	Product No.	Frequency (MHz)	Input Current	Rise Fall time	1-9	10-99	100-999
95249	OSC1H	1.0	45ma	6ns	\$3.95	\$3.59	\$3.25
95257	OSC1.84H	1.8432	45ma	6ns	3.95	3.59	3.25
95265	OSC2H	2.0	30ma	6ns	3.95	3.59	3.25
95273	OSC8H	8.0	50ma	6ns	3.39	2.95	2.65
102779	OSC10H	10.0	30ma	6ns	3.39	2.95	2.65
95281	OSC32H	32.0	15ma	6ns	3.39	2.95	2.65



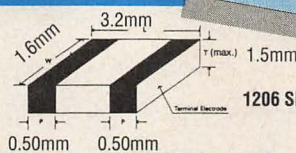
0805 SMD CASE



Multilayer Ceramic Chip Capacitors

Ceramic Chip Capacitors are equivalent to AVX-0805 and 1206, KEMET - C0805 and C1206, Murata - GRM90/GRM42-6 and NIC NMC Series

—Manufacturers may vary—



1206 SMD CASE

0805 SMD Case

Part Number	Capacitance	Voltage	Pricing per each				OEM Pricing per each		
			1	100	500	1000	OEM reels		
87409	10pf *	50	.29	.13	.10	.07	—	.025	Call
87425	22pf	50	.29	.13	.10	.07	—	.025	Call
87441	33pf	50	.29	.14	.11	.07	—	.027	Call
87468	47pf	50	.29	.15	.11	.07	—	.027	Call
87484	100pf	50	.29	.16	.12	.08	—	.030	Call
87505	220pf	50	.29	.16	.12	.08	—	.030	Call
87521	330pf	50	.29	.17	.13	.08	—	.030	Call
87548	470pf	50	.29	.19	.15	.10	—	.035	Call
87564	1000pf	50	.39	.25	.19	.13	.045	—	Call

NPO SERIES (±5%)

Features:

- Class I dielectric, temperature stable
- Low dielectric loss
- High stability over time, voltage and temperature changes
- Operating temperature range: -55°C + 125°C
- Temperature characteristics: 0 ± 30ppm / °C
- Dissipation factor: 0.1% max @ 1KHz
- Insulation resistance: 100,000 Megohms min. @ +25°C or 1000 ohm-farads (min) whichever is less

* ± 0.5 pf

1206 SMD Case

Part Number	Capacitance	Voltage	Pricing per each				OEM Pricing per each		
			1	100	500	1000	OEM reels		
87417	10pf *	50	.25	.13	.10	.07	—	.028	Call
87433	22pf	50	.27	.14	.11	.08	—	.030	Call
87450	33pf	50	.27	.14	.11	.08	—	.030	Call
87476	47pf	50	.29	.14	.12	.08	—	.031	Call
87492	100pf	50	.29	.16	.13	.09	—	.033	Call
87513	220pf	50	.29	.15	.12	.08	—	.028	Call
87530	330pf	50	.29	.15	.12	.08	—	.030	Call
87556	470pf	50	.29	.15	.12	.08	—	.028	Call
87572	1000pf	50	.42	.27	.19	.13	.050	—	Call

0805 SMD Case

Part Number	Capacitance	Voltage	Pricing per each				OEM Pricing per each		
			1	100	500	1000	OEM reels		
87231	1000pf	50	.35	.15	.11	.07	—	.027	Call
87257	2200pf	50	.35	.16	.12	.08	—	.028	Call
87273	3300pf	50	.35	.15	.12	.08	—	.028	Call
87290	4700pf	50	.35	.16	.12	.08	—	.028	Call
87311	.01µf	50	.39	.16	.12	.08	—	.030	Call
87337	.022µf	50	.39	.22	.18	.11	.04	—	Call
87353	.047µf	50	.45	.25	.20	.16	.055	—	Call
87370	.1µf	25	.79	.39	.32	.29	.16	—	Call

X7R SERIES (±10%)

Features:

- Class II dielectric, temperature stable
- Excellent frequency characteristics
- Higher capacitance than NPO
- Operating temperature range: -55°C + 125°C
- Temperature characteristics: ± 15% Δ max. over temperature range (with 0 VDC applied)
- Dissipation Factor: 2.5% max. @ 1.0 Vrms and 1KHz
- Insulation Resistance: 100,000 Megohms min. @ +25°C and rated VDC. 10,000 Megohms min. @ +125°C and rated VDC.

1206 SMD Case

Part Number	Capacitance	Voltage	Pricing per each				OEM Pricing per each		
			1	100	500	1000	OEM reels		
87249	1000pf	50	.29	.15	.12	.08	—	.03	Call
87265	2200pf	50	.29	.16	.12	.08	—	.031	Call
87281	3300pf	50	.29	.15	.12	.08	—	.031	Call
87302	4700pf	50	.29	.15	.12	.08	—	.031	Call
87329	.01µf	50	.29	.16	.13	.09	—	.033	Call
87345	.022µf	50	.29	.16	.14	.10	.045	—	Call
87361	.047µf	50	.39	.22	.18	.14	.053	—	Call
87388	.1µf	50	.59	.32	.26	.24	.11	—	Call
87396	.22µf	25	1.09	.85	.69	.51	.17	—	Call

0805 SMD Case

Part Number	Capacitance	Voltage	Pricing per each				OEM Pricing per each		
			1	100	500	1000	OEM reels		
87126	.022µf	50	.35	.14	.11	.09	—	.035	Call
87151	.047µf	50	.45	.25	.19	.13	—	.045	Call
87177	.1µf	50	.49	.29	.25	.15	—	.049	Call
87193	.22µf	25	.79	.42	.32	.27	.15	—	Call

See page 70 for surface mount tools.

Z5U SERIES (±20%)

Features:

- High K dielectric
- High capacitance density
- Low ESL, low ESR and excellent frequency response
- Operating temperature range: +10°C to +85°C
- Temperature characteristics: +22% to -56% max.
- Dissipation factor: 4% max. @ 1KHz
- Insulation resistance: 100 ohms-farads (min) @ +25°C and rated voltage

1206 SMD Case

Part Number	Capacitance	Voltage	Pricing per each				OEM Pricing per each		
			1	100	500	1000	OEM reels		
87134	.022µf	50	.39	.19	.15	.12	—	.045	Call
87169	.047µf	50	.49	.29	.25	.15	—	.049	Call
87185	.1µf	50	.55	.35	.29	.17	—	.055	Call
87206	.22µf	50	.65	.32	.25	.21	—	.12	Call
87214	.33µf	50	.69	.34	.27	.23	.13	—	Call
87222	.47µf	50	.89	.69	.55	.37	—	.19	Call

NEW

Surface Mount Tantalum Chip Capacitors



Resin Molded Chip Tantalum Electrolytic Capacitors (±20%)

Tantalum Chip Capacitors are equivalent to AVX-TAJ, KEMET-T491, NIC-NTC-T and Sprague-293D Series

—Manufacturers may vary—

10V SMD Tantalum

Part No.	Capacitance	Voltage	Case Size	Pricing per each				OEM Pricing per each		
				1	100	500	1000	OEM reels		
86983	4.7µf	10	A	.49	.45	.39	—	.20	—	Call
87020	10µf	10	B	.99	.89	.69	—	.41	—	Call
87118	100µf	10	D	1.49	1.25	—	.59	—	—	Call

16V SMD Tantalum

Part No.	Capacitance	Voltage	Case Size	Pricing per each				OEM Pricing per each		
				1	100	500	1000	OEM reels		
86932	1µf	16	A	.49	.35	.29	—	.16	—	Call
86959	2.2µf	16	A	.49	.45	.39	—	.20	—	Call
86991	4.7µf	16	B	.99	.89	.69	—	.41	—	Call
87038	10µf	16	C	1.05	.95	—	.41	—	—	Call
87054	15µf	16	C	1.19	.99	—	.47	—	—	Call
87071	22µf	16	C	1.19	.99	—	.47	—	—	Call
87097	33µf	16	D	1.35	1.15	—	.55	—	—	Call
87100	47µf	16	D	1.49	1.25	—	.59	—	—	Call

20V SMD Tantalum

Part No.	Capacitance	Voltage	Case Size	Pricing per each				OEM Pricing per each		
				1	100	500	1000	OEM reels		
87062	15µf	20	D	1.25	1.09	—	.49	—	—	Call
87089	22µf	20	D	1.35	1.15	—	.55	—	—	Call

Features

- Meets EIA specifications
- Low inductance and low impedance
- High performance for pulse noise limiter

Specifications

- Operating temperature range: -55°C ~ +85°C (+125°C)
- Maximum working temperature: +85°C (+125°C with derating)
- Leakage current: Not more than 0.01CV or 0.5µA whichever is greater
- Solder heat resistance: Withstands solder immersion 5 seconds at 260°C or reflow 10 seconds at 260°C.

25V SMD Tantalum

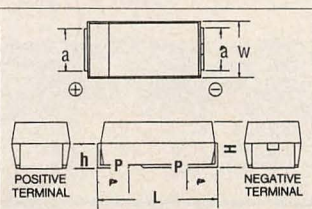
Part No.	Capacitance	Voltage	Case Size	Pricing per each				OEM Pricing per each		
				1	100	500	1000	OEM reels		
86916	.47µf	25	A	.45	.35	.29	—	.16	—	Call
86967	2.2µf	25	B	.59	.55	.49	—	.25	—	Call
87003	4.7µf	25	C	1.09	.95	—	.45	—	—	Call

35V SMD Tantalum

Part No.	Capacitance	Voltage	Case Size	Pricing per each				OEM Pricing per each		
				1	100	500	1000	OEM reels		
86908	.1µf	35	A	.45	.35	.29	—	.16	—	Call
86924	.47µf	35	B	.49	.45	.39	—	.20	—	Call
86941	1µf	35	B	.49	.45	.39	—	.20	—	Call
86975	2.2µf	35	C	.99	.89	—	.41	—	—	Call
87011	4.7µf	35	D	1.25	.99	—	.49	—	—	Call
87046	10µf	35	D	1.25	1.09	—	.49	—	—	Call

Case Size (Dimensions in mm)

EIA CASE CODE	L ±0.2	W ±0.2	H ±0.2	P ±0.3	a ±0.2	h(min)
A (3216)	3.2	1.6	1.7	0.8	1.2	0.7
B (3528)	3.5	2.8	1.9	0.8	2.0	0.7
C (6032)	6.0	3.2	2.5	1.3	2.0	1.0
D (7343)	7.3	4.3	2.9	1.3	2.4	1.0



Dipped Tantalum Capacitors ($\pm 10\%$)

Resin Dipped Solid Tantalum Capacitors

- Flame retardant coating
- Low leakage current impedance
- Designed for entertainment and commercial equipment
- Exceptional temperature stability
- Moisture-resistant

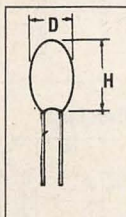
Operating temperature range	-55°C to +85°C (+ 125°C with derating)
Rated voltage DC	$\leq +85^\circ\text{C}$

Dipped Tantalum Capacitor Cross Reference

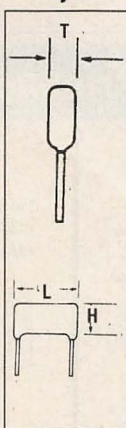
Panasonic: EF Series; AVX: Tap Series; Sprague: 196D and 199D;
 Kemet: T350/ T360; Mepco: 49GS; NEC: DN; Nichicon: 599;
 NIC: NDTM; Hitachi: TSD-3; Matsuo: 202

Part Number	Product Number	Capacitance	Voltage	Size (mm) DxH*	Pricing				OEM Pricing		
					1-9	10-99	100-999	1000	5000	10,000	
33486	TM.1	.1 μf	35v	4.5x7	\$.19	\$.17	\$.15	\$.10	\$.09	\$.085	
33507	TM.22	.22 μf	35v	4.5x7	.19	.17	.15	.10	.09	.085	
33523	TM.33	.33 μf	35v	4.5x7	.19	.17	.15	.10	.09	.085	
33531	TM.47	.47 μf	35v	4.5x7	.19	.17	.15	.10	.09	.085	
33662	TM1	1 μf	35v	4.5x7	.23	.19	.17	.11	.105	.10	
94001	TM2.2/16	2.2 μf	16v	4.5x7	.23	.19	.17	.11	.105	.10	
94019	TM2.2/25	2.2 μf	25v	4.5x7	.25	.21	.19	.13	.12	.11	
33734	TM2.2	2.2 μf	35v	4.5x7.5	.27	.25	.21	.15	.145	.135	
94027	TM3.3/16	3.3 μf	16v	4.5x7	.23	.19	.17	.11	.105	.10	
33769	TM3.3	3.3 μf	35v	4.5x7.5	.27	.27	.23	.17	.16	.15	
94035	TM4.7/16	4.7 μf	16v	4.5x7.5	.27	.25	.21	.15	.145	.135	
94043	TM4.7/25	4.7 μf	25v	5x8.5	.35	.29	.25	.19	.18	.17	
33806	TM4.7	4.7 μf	35v	5x9	.39	.35	.29	.21	.20	.19	
94051	TM6.8/16	6.8 μf	16v	5x8.5	.35	.29	.22	.16	.15	.14	
33873	TM6.8	6.8 μf	35v	6x10	.55	.49	.37	.25	.24	.23	
94060	TM10/16	10 μf	16v	5x9	.35	.29	.25	.19	.18	.17	
94078	TM10/25	10 μf	25v	5.5x9	.55	.49	.37	.25	.24	.23	
33689	TM10	10 μf	35v	6x10	.65	.59	.55	.39	.37	.35	
94086	TM15/16	15 μf	16v	5.5x9	.49	.45	.39	.27	.25	.23	
33718	TM15	15 μf	25v	6x10	.65	.59	.55	.39	.37	.35	
33751	TM22	22 μf	6.3v	5x9	.45	.39	.29	.19	.18	.17	
94094	TM22/16	22 μf	16v	6x10	.55	.49	.45	.31	.29	.27	
94107	TM22/25	22 μf	25v	7x10.5	1.39	1.19	.95	.63	.59	.55	
94115	TM33/16	33 μf	16v	6x10	.75	.65	.55	.39	.37	.35	
33785	TM33	33 μf	25v	8x13	1.29	1.19	1.09	.93	.87	.81	
94123	TM47/16	47 μf	16v	8x13	1.49	1.39	1.29	.69	.65	.59	
33822	TM47	47 μf	25v	9x14.5	2.49	2.25	1.95	1.69	1.59	1.49	
33700	TM100	100 μf	6.3v	7x10.5	1.29	1.19	1.09	.69	.65	.59	

Tantalum



Mylar

Mylar Capacitors ($\pm 10\%$)

Metallized Polyester Film Capacitors

- Non-inductive construction
- High performance at low cost
- High stability with frequency over an extended operating life

Operating temperature range	-40 to +85°C
Dissipation factor	$\leq .01$ (at 1KHz)
Dielectric strength	150% of rated voltage for 5 seconds

Mylar Capacitor Cross Reference

Panasonic: ECQ-E Series; Sprague: DF/450P/451P/453P;
 Westlake: 160/168/185/167/184/186; Mepco: 713A1/719A1/C280;
 TRW: X601PE/X601CPE; Packtron: MF/RB; Secor: MMKS/MMKR/MMDR;
 RIFA: PHE353/PHE354; Roederstein: MKT 1818/MKT 1822; WIMA: MKS;
 CSF Thompson: MD/MC; Siemens: B325X-XX; Rubycon: MC/MN;
 NIC: NEM/NRM; Nichicon: DDXM; Phillips: 712 A1 series

Part Number	Product Number	Capacitance	Voltage	Case Size LxTxH* (mm)	Pricing				OEM Pricing		
					1-9	10-99	100-999	1000	5000	10,000	
26833	MY.001	.001 μf	100v	7x3x7	\$.10	\$.08	\$.06	\$.045	\$.043	\$.04	
26868	MY.0022	.0022 μf	100v	6x3x10	.10	.08	.06	.045	.043	.04	
26876	MY.0047	.0047 μf	100v	6x3x9	.11	.09	.07	.047	.045	.043	
26884	MY.01	.01 μf	100v	6x3x7	.11	.09	.07	.049	.047	.045	
93868	MY.01/630	.01 μf	630v	12.5x4.5x9.5	.29	.25	.21	.14	.13	.12	
26905	MY.022	.022 μf	100v	6x3x10	.13	.10	.065	.055	.053	.05	
93871	MY.022/630	.022 μf	630v	12.5x6x10.5	.35	.29	.25	.15	.14	.13	
26921	MY.033	.033 μf	100v	8x4x11	.15	.12	.09	.065	.063	.06	
93884	MY.033/630	.033 μf	630v	18x6x11	.37	.31	.27	.17	.16	.15	
26930	MY.047	.047 μf	100v	8x4x12	.15	.12	.09	.065	.063	.06	
93892	MY.047/250	.047 μf	250v	12.5x5x9.5	.19	.16	.14	.10	.09	.08	
93905	MY.047/400	.047 μf	400v	12.5x6x10.5	.35	.29	.25	.15	.14	.13	
93913	MY.047/630	.047 μf	630v	18x6.5x11.5	.39	.35	.29	.18	.17	.16	
26956	MY.1	1 μf	100v	12.5x5x9.5	.19	.16	.14	.10	.09	.08	
93921	MY.1/250	1 μf	250v	12.5x5x10.5	.21	.18	.15	.095	.09	.08	
93930	MY.1/400	1 μf	400v	18x6.5x11.5	.37	.31	.27	.17	.16	.15	
93948	MY.1/630	1 μf	630v	26x7x13	.49	.45	.35	.23	.215	.20	
26972	MY.22	.22 μf	100v	12.5x5x10	.27	.23	.19	.13	.12	.11	
93956	MY.22/250	.22 μf	250v	18x6.5x11.5	.29	.25	.21	.14	.13	.12	
93964	MY.33/250	.33 μf	250v	18x7x12.5	.39	.35	.29	.18	.17	.16	
26999	MY.47	.47 μf	100v	18x6x11.5	.35	.29	.27	.17	.16	.15	
93972	MY.47/250	.47 μf	250v	26x7x12.5	.45	.39	.33	.21	.19	.18	
27001	MY1	1 μf	100v	18x7.5x14	.59	.49	.39	.27	.25	.23	
93981	MY1/250	1 μf	250v	26x9x16	.65	.55	.45	.30	.28	.26	
93999	MY2.2/250	2.2 μf	250v	26x9x16	1.09	.89	.75	.49	.47	.45	

Ceramic Disc Capacitors

Ceramic Disc Capacitors ($\pm 5\%$)

50 Volt and 1000 Volt, NPO Temperature Stable

- Provides an accurate, predictable linear capacitance change with variations in operating temperature

Operating temperature range	-30°C to +85°C (+ 125°C with Derating)
Capacitance change over temperature range	-6 to +9%
Dielectric withstanding voltage	2.5 times for not < 1 second

Part Number	Product Number	Capacitance	Voltage	Dia* (mm)	Pricing				OEM Pricing		
					1-9	10-99	100-999	1000	5000	10,000	
97228	DC10/1K5	10pf	1000v	5	\$.19	\$.16	\$.13	\$.07	\$.065	\$.06	
97236	DC22/1K5	22pf	1000v	5	.19	.16	.13	.07	.065	.06	
97244	DC33/1K5	33pf	1000v	6	.19	.16	.13	.07	.065	.06	
97252	DC47/1K5	47pf	1000v	7	.15	.11	.09	.05	.045	.04	
97261	DC100/1K5	100pf	50v	7	.15	.11	.09	.05	.045	.04	

Ceramic Disc Capacitors ($\pm 10\%$)

1000 Volt, Y5F Temperature Coefficient

Ceramic Disc capacitors are equivalent to Murata DD series,
 NIC NCD Series and Panasonic ECC/ECK series

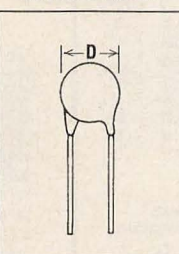
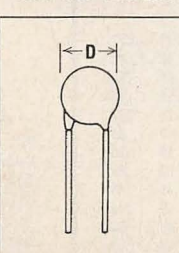
- Wide selection of temperature characteristics
- High insulation resistance

Operating temperature range	-30°C to +85°C
Capacitance change over temperature range	$\pm 7.5\%$
Dielectric withstanding voltage	2.5 times rated voltage for not less than 1 sec.

Part Number	Product Number	Capacitance	Voltage	Dia* (mm)	Pricing				OEM Pricing		
					1-9	10-99	100-999	1000	5000	10,000	
97279	DC100/1K10	100pf	1000v	5	\$.19	\$.16	\$.13	\$.07	\$.065	\$.06	
97287	DC150/1K10	150pf	1000v	5	.19	.16	.13	.07	.065	.06	
97295	DC220/1K10	220pf	1000v	5	.19	.16	.13	.07	.065	.06	
97308	DC330/1K10	330pf	1000v	5	.21	.18	.15	.09	.085	.08	
97316	DC470/1K10	470pf	1000v	5	.21	.18	.15	.09	.085	.08	
97324	DC.001/1K10	.001 μf	1000v	6	.21	.18	.15	.09	.085	.08	

*For Metric Conversion Chart, see page 27

NEW VALUES

Low Voltage
50VDC CeramicHigh Voltage
1000 VDC CeramicCeramic Disc Capacitors ($\pm 20\%$)

50 Volt and 1000 Volt, Z5U Temperature Coefficient

- Wide selection of temperature characteristics
- High insulation resistance

Operating temperature range	+10°C to +85°C
Capacitance change over temperature range	+22% -56%
Dielectric withstanding voltage	2.5 times rated voltage for not less than 1 sec.

Part Number	Product Number	Capacitance	Voltage	Dia* (mm)	Pricing			OEM Pricing		
					1-9	10-99	100-999	1000	5000	10,000
15333	DC10	10pf	50v	5	\$.10	\$.05	\$.04	\$.03	\$.025	\$.02
15405	DC22	22pf	50v	5	.10	.05	.04	.03	.025	.02
15510	DC47	47pf	50v	5	.10	.05	.04	.03	.025	.02
15341	DC100	100pf	50v	5	.10	.05	.04	.03	.025	.02
15413	DC220	220pf	50v	5	.10	.05	.04	.03	.025	.02
15528	DC470	470pf	50v	5	.11	.06	.05	.04	.035	.03
15190	DC.001	.001 μ f	50v	6	.10	.05	.04	.035	.03	.025
97332	DC.001/1K20	.001 μ f	1000v	6	.21	.18	.15	.09	.085	.08
97341	DC.0022/1K20	.0022 μ f	1000v	6	.21	.18	.15	.09	.085	.08
97359	DC.0033/1K20	.0033 μ f	1000v	7	.23	.20	.17	.11	.095	.09
15211	DC.0047	.0047 μ f	50v	6	.12	.10	.08	.05	.045	.04
97367	DC.0047/1K20	.0047 μ f	1000v	8	.25	.22	.19	.13	.11	.10
15229	DC.01	.01 μ f	50v	6	.10	.07	.065	.045	.04	.035
97375	DC.01/1K20	.01 μ f	1000v	12	.29	.25	.21	.15	.13	.11
15245	DC.022	.022 μ f	50v	8	.12	.10	.08	.05	.045	.04
15253	DC.047	.047 μ f	50v	8	.12	.10	.08	.05	.045	.04
15270	DC.1	.1 μ f	50v	8	.15	.12	.09	.07	.06	.05

Monolithic Capacitors ($\pm 20\%$)

Ceramic Epoxy Dipped (Z5U Series)

Applications:

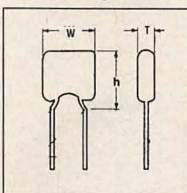
- Data processing
- Measuring and control equipment
- Entertainment industry
- Automotive electronic systems
- Communications Engineering
- Photo industry
- Medical engineering

Operating temperature range	
Z5U	-25°C to +85°C

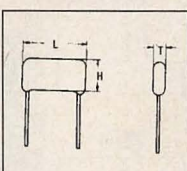
Part Number	Product Number	Capacitance	Voltage	Size WxTxH*	Pricing			OEM Pricing		
					1-9	10-99	100-999	1000	5000	10000
81541	MD10	10pf	50v	3.5x2x3	\$15	\$13	\$11	\$065	\$06	\$055
81533	MD22	22pf	50v	4x2x4	\$15	\$13	\$11	\$065	\$06	\$055
81525	MD100	100pf	50v	3.5x2x3	\$15	\$13	\$11	\$065	\$06	\$055
25697	MD330	330pf	50v	3.5x2x4	19	15	12	09	08	07
81517	MD.001	.001uf	50v	4.5x2x3	19	15	12	09	08	07
25507	MD.01	.01uf	50v	3.5x2x3	14	13	09	08	06	05
57621	MD.047	.047uf	50v	2.5x2.5x3	15	11	10	09	07	06
25523	MD.1	.1uf	50v	6x2x4	18	17	12	11	08	07
25540	MD.22	.22uf	50v	6x2x4.5	29	27	21	16	12	11
25558	MD.47	.47uf	50v	4.5x2.5x4.5	25	23	16	15	14	12
81509	MD1	1uf	50v	6x3x7	59	49	45	39	31	29

**NEW
VALUES**

Monolythic



Silver Mica



Dipped Silver Mica Capacitors ($\pm 5\%$)

Metallized Polyester Film Capacitors


Case type	DM15
Lead space (in.)	.23
Size range	.45L x .33H x .19T to .50L x .43H x .25T
Tolerance	± 5%
Operating temperature range	-55°C to +125°C
Working volts	500 WVDC
Dielectric volts	1000 WVDC
Insulation resistance	100 GΩ

Part Number	Product Number	Capacitance	Voltage	Size LxTxH*	Pricing			OEM Pricing		
					1-9	10-99	100-999	1000	5000	10,000
15991	DM100	10pf	500v	11x4x9	\$25	\$22	\$19	\$16	\$15	\$14
16037	DM220	22pf	500v	11x4x9	.25	.22	.19	.16	.15	.14
16053	DM270	27pf	500v	11x4x9	.25	.22	.19	.16	.15	.14
16070	DM330	33pf	500v	11x4x9	.25	.22	.19	.16	.15	.14
16096	DM470	47pf	500v	11x4x9	.25	.22	.19	.16	.15	.14
16002	DM101	100pf	500v	11x4x9	.29	.25	.23	.19	.18	.17
16045	DM221	220pf	500v	11x4x9	.39	.35	.29	.25	.23	.21
16088	DM331	330pf	500v	11x4x9	.41	.37	.31	.27	.25	.23
16109	DM471	470pf	500v	11x4x9	.41	.37	.31	.27	.25	.23
16117	DM681	680pf	300v	11x4x9	.65	.59	.53	.45	.43	.41
16011	DM102	1000pf	100v	11x4x9	.79	.69	.59	.49	.47	.45

Varistors and Trimmer Capacitors


Axial Lead Varistors MA Series (3mm Series)

- Low DC voltage
- Printed circuit board mounting
- Low transient energy
- Telecommunications
- General noise suppression
- Alarm systems

MA Series		Characteristics at 25°C									
		Varistor Voltage			Maximum Clamping Voltage						
		Ⓢ 1 mA DC Test Current			Ⓢ Ip Value Current (8/20μs)						
Part Number	Product Number	Min. Volts	V _{N(dc)} Volts	Max. Volts	V Volts	Ip= 2.0A Amps	Pricing				
		Volts	Volts	Volts	Volts	Amps	1-9	10-99	100-999	1000	
96882	V47MA2A	37	47	57	99	20	\$6.5	\$5.9	\$5.5	\$4.9	


Radial Lead Varistors ZA Series

- Low DC voltage applications
- Printed circuit board designs
- UL recognized as "transient voltage surge suppressors"
- Used for highly sensitive devices
- Low transient energy
- Computer equipment
- Alarm systems

ZA Series		Size	Characteristics at 25°C									
			Variant Voltage			Maximum Clamping Voltage						
			@ 1mA DC Test Current			@ Ip Value Current (8/20µs)						
Part Number	Product Number	Dia. (mm)	Disc.	Min.	V _(dc)	Max.	V	Ip=2.0A	Pricing			
				Volts	Volts	Volts	Volts	Amps	1-9	10-99	100-999	1000
96891	V8ZA1	7	6.0	8.2	11.0	22	5	\$35	\$32	\$29	\$25	
96903	V8ZA2	10	6.0	8.2	11.0	20	5	39	37	35	29	
96911	V12ZA1	7	9.0	12	16.0	34	5	35	32	29	25	
96920	V22ZA1	7	18.7	22	26.0	47	5	35	32	29	25	
96938	V27ZA05	5	23.0	27	31.1	59	2	22	19	17	15	
96946	V27ZA1	7	23.0	27	31.1	57	5	35	32	29	25	
96954	V33ZA5	14	29.5	33	36.5	64	10	59	55	49	45	
96962	V39ZA1	7	35.0	39	43.0	79	5	35	32	29	25	
96971	V39ZA6	14	35.0	39	43.0	76	10	55	49	45	39	
96989	V56ZA2	7	50	56	62	107	5	35	32	29	25	
96997	V56ZA8	14	50	56	62	103	10	59	55	49	45	
97009	V68ZA10	14	61	68	75	123	10	69	65	59	55	
97017	V120ZA1	7	108	120	132	205	10	45	39	35	29	
97025	V150ZA1	7	135	150	165	250	10	49	45	39	35	
97033	V150ZA8	14	135	150	165	255	50	49	45	39	35	
97041	V220ZA05	5	198	220	253	360	5	22	19	17	15	

Radial Lead Varistors LA Series

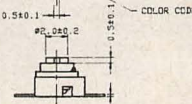
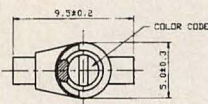
- AC power line applications
- UL recognized as “transient voltage surge suppressors”
- UL recognized as “across-the-line components”
- High energy absorption
- Power supplies

LA Series		Size	Max. Ratings (+85°C) Characteristics at 25°C								
			Continuous		Transient	Maximum Clamping Voltage					
			RMS Voltage	DC Voltage	Energy	@ Ip Value Current					
			(10/100µs)		(8/20µs)						
Part Number	Product Number	Disc. (mm)	V _{max} (ac)	V _m (dc)	W _m	γ	Ip=2.0A	Pricing			
			Volts	Volts	Joules	Volts	Amps	1-9	10-99	100-999	1000
34454	V130LA2	7	130	175	11	340	10	\$35	\$31	\$29	\$27
34446	V130LA10A	14	130	175	38	340	50	55	49	45	43
34462	V130LA20A	20	130	175	70	340	100	69	65	59	55
97050	V130LA20B	20	130	175	70	325	100	75	69	65	59
97068	V150LA2	7	150	200	13	395	10	35	33	29	27
97076	V150LA10A	14	150	200	45	395	50	49	45	42	39
97084	V150LA20A	20	150	200	80	395	100	69	65	59	55
97092	V150LA20B	20	150	200	80	360	100	69	65	59	55
34471	V250LA20A	14	250	330	72	650	50	59	55	49	45
97105	V275LA20A	14	275	369	75	710	50	59	55	49	45
97113	V275LA40A	20	275	369	140	710	100	75	69	65	59
97121	V275LA40B	20	275	369	140	680	100	79	75	69	65
97130	V300LA4	7	300	405	25	775	10	45	39	35	29

Trimmer Capacitors

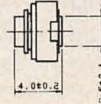
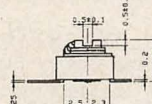
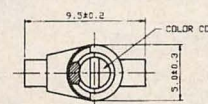
Applications

- Acoustic Equipment
- Video Equipment
- Measuring and Communication Equipment
- Top adjustment
- Monitor and Computer
- Quartz Clock & Mini Radio
- Linear capacitance change



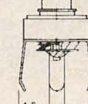
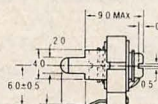
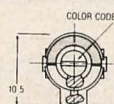
4mm Ceramic Trimmer Capacitor (50WVDC) SMT

Part Number	Capacitance Range	Q Factor At 1MHz c Max	Color Codes	Pricing			
				1-9	10-99	100-999	1000
96831	1.2-3.0	> 500	Black	\$1.05	\$.95	\$.85	\$.55
96840	1.4-6.0	> 500	Red	1.05	.95	.85	.55
96858	1.8-10.0	> 300	Nil	1.05	.95	.85	.55
96866	2.8-20.0	> 300	Blue	1.09	.99	.89	.59
96874	4.0-30.0	> 200	Yellow	1.09	.99	.89	.59



5mm Ceramic Trimmer Capacitor (200WVDC) SMT

Part Number	Capacitance Range	Q Factor At @ 1MHz c Max	Color Codes	Pricing			
				1-9	10-99	100-999	1000
96735	1.0-3.0	> 300	Nil	\$.69	\$.59	\$.49	\$.29
96743	2.0-5.0	> 300	Red	.69	.59	.49	.29
96751	3.0-10.0	> 300	Nil	.69	.59	.49	.29
96760	4.8-20.0	> 300	Blue	.69	.59	.49	.29
96778	5.5-30.0	> 200	Yellow	.69	.59	.49	.29
96786	6.8-40.0	> 200	Brown	.69	.59	.49	.29
96794	8.5-50.0	> 200	Green	.75	.65	.55	.35
96807	10.5-60.0	> 200	Nil	.75	.65	.55	.35
96815	11.5-70.0	> 200	Black	.75	.65	.55	.35
96823	12.0-90.0	> 200	Purple	.79	.69	.59	.39



8mm Ceramic Trimmer Capacitor (250WVDC) Through hole

Part Number	Capacitance Range pF	Q Factor At @ 1MHz c Max	Color Codes	Pricing			
				1-9	10-99	100-999	1000
32820	3.0-23.0	> 300	Blue	\$.85	\$.75	\$.65	\$.55
32838	4.0-34.0	> 300	Yellow	.85	.75	.65	.55
32854	6.0-70.0	> 200	Nil	.99	.85	.75	.65
94449	8.5-100	> 200	Purple	1.09	.99	.89	.79
94465	8.5-120	> 200	Nil	1.15	1.05	.95	.85

Miniature Aluminum Axial Electrolytic Capacitors

General purpose low voltage 85°C standard size (± 20%)

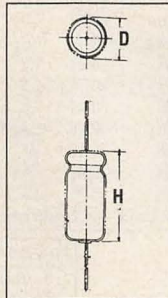
Operating temperature range	-40 ~ +85°C
Leakage Current (After 2 minutes 20°C)	0.02CV or 2µA, whichever is greater

AXIAL CAPACITOR CROSS REFERENCES

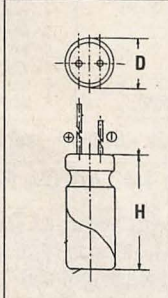
Elna: RE2; IC: RAR; Marcon: SEM; Nichicon: LB/VX; Rubycon: TWSS;
Sprague: 501D/513D; UCC: SME; Panasonic: SU

Part Number	Product Number	Capacitance	Voltage	Size (mm) DxH*	Pricing			OEM Pricing		
					1-9	10-99	100-999	1000	5000	10,000
10866	A1/50	1µf	50v	5x13	\$15	\$12	\$10	\$09	\$08	\$075
93569	A2.2/50	2.2µf	50v	5x13	.15	.12	.10	.09	.08	.075
11076	A4.7/50	4.7µf	50v	5x13	.16	.14	.11	.10	.08	.075
93577	A10/35	10µf	35v	5x13	.17	.15	.11	.10	.08	.075
10882	A10/50	10µf	50v	6x13	.18	.16	.12	.11	.08	.075
10997	A22/50	22µf	50v	6x16	.22	.20	.18	.14	.13	.12
93585	A33/16	33µf	16v	5x13	.22	.20	.18	.14	.13	.12
11092	A47/16	47µf	16v	6x13	.17	.15	.12	.11	.08	.075
11105	A47/50	47µf	50v	8x16	.25	.23	.19	.16	.14	.13
10903	A100/16	100µf	16v	6x16	.22	.19	.14	.12	.08	.075
93551	A100/35	100µf	35v	8x16	.25	.22	.20	.19	.18	.17
10911	A100/50	100µf	50v	8x20	.29	.25	.22	.21	.20	.19
93606	A220/16	220µf	16v	8x16	.25	.22	.20	.19	.18	.17
11017	A220/50	220µf	50v	10x20	.35	.32	.28	.27	.26	.25
93614	A330/16	330µf	16v	8x16	.31	.27	.25	.21	.19	.17
54287	A470/16	470µf	16v	10x16	.39	.37	.35	.29	.25	.23
93622	A470/35	470µf	35v	10x25	.45	.43	.39	.35	.33	.31
11121	A470/50	470µf	50v	13x25	.47	.45	.39	.37	.34	.32
93631	A1000/16	1000µf	16v	10x25	.47	.45	.38	.36	.34	.32
10954	A1000/25	1000µf	25v	13x25	.55	.49	.47	.45	.41	.39
93649	A1000/35	1000µf	35v	12.5x31	.59	.55	.49	.48	.47	.46
11033	A2200/16	2200µf	16v	13x30	.65	.59	.52	.51	.49	.46
93657	A2200/35	2200µf	35v	16x31	1.09	.99	.95	.89	.85	.79
93665	A3300/25	3300µf	25v	16x31	1.09	.99	.95	.89	.85	.79
93673	A4700/25	4700µf	25v	16x40	1.49	1.35	1.25	1.19	1.09	.99
93681	A10000/16	10,000µf	16v	18x50	2.29	1.95	1.75	1.59	1.49	1.39

Axial Electrolytic



Radial Electrolytic



Miniature Aluminum Radial Electrolytic Capacitors

General purpose low voltage 85°C standard size (± 20%)

Operating temperature range	-40 ~ +85°C
Leakage Current (20°C)	After 1 min. 0.03CV or 4µA, whichever is greater After 2 min. 0.01CV or 3µA, whichever is greater

RADIAL CAPACITOR CROSS REFERENCES

Elna: RE2; IC: RAR; Marcon: SEM; Nichicon: LB/VX; Rubycon: TWSS;
Sprague: 501D/513D; UCC: SME; Panasonic: SU

Part Number	Product Number	Capacitance	Voltage	Size (mm) DxH*	Pricing			OEM Pricing		
					1-9	10-99	100-999	1000	5000	10,000
29831	R1/50	1µf	50v	5x11	\$09.	\$07.	\$06.	\$045.	\$032.	\$03.
93729	R2.2/50	2.2µf	50v	5x11	.09.	.07.	.06.	.045.	.032.	.03.
31000	R4.7/50	4.7µf	50v	5x11	.09.	.07.	.06.	.045.	.032.	.03.
29891	R10/50	10µf	50v	5x11	.09.	.07.	.06.	.045.	.032.	.03.
93737	R22/50	22µf	50v	5x11	.09.	.075.	.06.	.05.	.035.	.032.
102189	R33/25	33µf	25v	5x11	.08.	.075.	.055.	.045.	.035.	.03.
93745	R33/50	33µf	50v	5x11	.13.	.10.	.085.	.07.	.05.	.045.
93753	R47/25	47µf	25v	5x11	.09.	.075.	.06.	.05.	.035.	.032.
31114	R47/50	47µf	50v	6.3x11	.14.	.11.	.09.	.075.	.05.	.045.
93761	R100/25	100µf	25v	6.3x11	.13.	.10.	.09.	.07.	.05.	.045.
29962	R100/50	100µf	50v	8x11.5	.19.	.17.	.13.	.11.	.08.	.07.
30496	R220/25	220µf	25v	8x11.5	.19.	.17.	.13.	.11.	.08.	.07.
93770	R220/35	220µf	35v	10x12.5	.23.	.19.	.17.	.14.	.10.	.09.
93778	R220/50	220µf	50v	10x16	.32.	.27.	.22.	.18.	.13.	.12.
93796	R330/25	330µf	25v	10x12.5	.25.	.19.	.17.	.13.	.10.	.09.
93809	R470/16	470µf	16v	10x12.5	.25.	.21.	.16.	.13.	.10.	.09.
31181	R470/25	470µf	25v	10x16	.29.	.23.	.19.	.18.	.13.	.12.
93817	R470/35	470µf	35v	10x20	.37.	.32.	.29.	.22.	.16.	.15.
93825	R470/50	470µf	50v	12.5x20	.39.	.33.	.32.	.31.	.30.	.29.
30015	R1000/16	1000µf	16v	10x20	.29.	.25.	.18.	.17.	.15.	.14.
93833	R1000/25	1000µf	25v	12.5x20	.55.	.49.	.45.	.31.	.29.	.27.
93841	R1000/50	1000µf	50v	16x25	.75.	.69.	.65.	.49.	.47.	.45.
30189	R1500/25	1500µf	25v	12.5x25	.69.	.65.	.59.	.45.	.43.	.39.
30533	R2200/25	2200µf	25v	16x25	.75.	.69.	.65.	.47.	.45.	.43.
30891	R3300/25	3300µf	25v	16x31	1.39.	1.19.	.99.	.69.	.65.	.59.
93850	R4700/25	4700µf	25v	18x36	1.59.	1.49.	1.39.	.95.	.90.	.85.
31510	R6800/16	6800µf	16v	18x36	1.49.	1.39.	1.29.	.89.	.85.	.79.

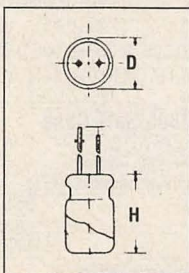
Miniature Aluminum Radial Electrolytic Capacitors

Metric Conversion Chart

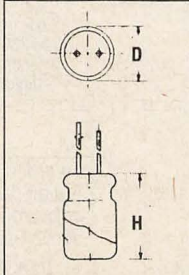
mm.	inches	mm.	inches	mm.	inches
0.01	.00039	0.51	.02008	2	.07874
0.02	.00079	0.52	.02047	3	.11811
0.03	.00118	0.53	.02087	4	.15748
0.04	.00157	0.54	.02126	5	.19685
0.05	.00197	0.55	.02165	6	.23622
0.06	.00236	0.56	.02205	7	.27559
0.07	.00276	0.57	.02244	8	.31496
0.08	.00315	0.58	.02283	9	.35433
0.09	.00354	0.59	.02323	10	.39370
0.10	.00394	0.60	.02362	11	.43307
0.11	.00433	0.61	.02402	12	.47244
0.12	.00472	0.62	.02441	13	.51181
0.13	.00512	0.63	.02480	14	.55118
0.14	.00551	0.64	.02520	15	.59055
0.15	.00591	0.65	.02559	16	.62992
0.16	.00630	0.66	.02598	17	.66929
0.17	.00669	0.67	.02638	18	.70866
0.18	.00709	0.68	.02677	19	.74803
0.19	.00748	0.69	.02717	20	.78740
0.20	.00787	0.70	.02756	21	.82677
0.21	.00827	0.71	.02795	22	.86614
0.22	.00866	0.72	.02835	23	.90551
0.23	.00906	0.73	.02874	24	.94488
0.24	.00945	0.74	.02913	25	.98425
0.25	.00984	0.75	.02953	26	1.02362
0.26	.01024	0.76	.02992	27	1.06299
0.27	.01063	0.77	.03032	28	1.10236
0.28	.01102	0.78	.03071	29	1.14173
0.29	.01142	0.79	.03110	30	1.18110
0.30	.01181	0.80	.03150	31	1.22047
0.31	.01220	0.81	.03189	32	1.25984
0.32	.01260	0.82	.03228	33	1.29921
0.33	.01299	0.83	.03268	34	1.33858
0.34	.01339	0.84	.03307	35	1.37795
0.35	.01378	0.85	.03346	36	1.41732
0.36	.01417	0.86	.03386	37	1.45669
0.37	.01457	0.87	.03425	38	1.49606
0.38	.01496	0.88	.03465	39	1.53543
0.39	.01535	0.89	.03504	40	1.57480
0.40	.01575	0.90	.03543	41	1.61417
0.41	.01614	0.91	.03583	42	1.65354
0.42	.01654	0.92	.03622	43	1.69291
0.43	.01693	0.93	.03661	44	1.73228
0.44	.01732	0.94	.03701	45	1.77165
0.45	.01772	0.95	.03740	46	1.81102
0.46	.01811	0.96	.03780	47	1.85039
0.47	.01850	0.97	.03819	48	1.88976
0.48	.01890	0.98	.03858	49	1.92913
0.49	.01929	0.99	.03898	50	1.96850
0.50	.01969	1.00	.03937	51	2.00787

NEW GENERATION OF LOW PROFILE SIZING

5mm Radial Electrolytic (5mm = .197" Height)



7mm Radial Electrolytic (7mm = .276" Height)



*Dimensions in mm;
see Metric to Inches
Conversion Chart (left)

5mm Miniature Aluminum Radial Electrolytic Capacitors

General purpose low profile 85°C (± 20%)

Operating temperature range	-40°C ~ +85°C
Max. Leakage Current (20°C)	0.01CV or 3µA

CROSS REFERENCES

UMA: LB/VX; UCC:
SRE; Panasonic: KS

Part Number	Product Number	Capacitance	Voltage	Size (mm) DxH*	Pricing				OEM Pricing			
					1-9	10-99	100-999	1000	5000	10,000		
94131	5R.1/50	1µf	50v	4x5	\$19.16	\$16.13	\$13.08	\$08.075	\$7.07			
94140	5R.22/50	2.2µf	50v	4x5	.19.16	.16.13	.08.075	.07.07				
94158	5R.47/50	4.7µf	50v	4x5	.19.16	.16.13	.08.075	.07.07				
94160	5R1/50	1µf	50v	4x5	.19.16	.16.13	.08.075	.07.07				
94174	5R2.2/50	2.2µf	50v	4x5	.19.16	.16.13	.08.075	.07.07				
94182	5R3.3/50	3.3µf	50v	4x5	.19.16	.16.13	.08.075	.07.07				
94191	5R4.7/35	4.7µf	35v	4x5	.19.16	.16.13	.08.075	.07.07				
94203	5R4.7/50	4.7µf	50v	5x5	.21.18	.15.09	.08.075					
94211	5R10/16	10µf	16v	4x5	.19.16	.13.08	.075.07					
94220	5R10/35	10µf	35v	5x5	.20.17	.14.085	.08.075					
94238	5R10/50	10µf	50v	6.3x5	.29.24	.19.13	.11.10					
94246	5R22/16	2.2µf	16v	5x5	.20.17	.14.085	.08.075					
94254	5R22/35	2.2µf	35v	6.3x5	.29.24	.19.13	.11.10					
94262	5R33/25	33µf	25v	6.3x5	.29.24	.19.13	.11.10					
94271	5R47/16	47µf	16v	6.3x5	.27.22	.17.12	.10.09					
94289	5R100/16	100µf	16v	6.3x5	.29.24	.19.13	.11.10					

Resistor Value Chart

Part No./Ohms	Part No./ Ohms	Part No./Ohms	Part No./ Ohms	Part No./ Ohms	Part No./ Ohms	Part No./ Ohms	Part No./ Ohms	Part No./ Ohms	Part No./ Ohms
30293 2.2	29882 10√	31106 47√	30470 220√	29663 1.0K√	31026 4.7K√	30453 22K√	29997 100K√	31202 470K√	30331 2.2M
30349 2.4	59061 11	31296 51	30568 240	29719 1.1K	31237 5.1K√	30550 24K	30058 110K	31325 510K	30365 2.4M
30373 2.7	30066 12	31341 56	30605 270√	29735 1.2K	31270 5.6K√	30592 27K	30091 120K	31384 560K	30402 2.7M
30621 3.0	30103 13	60089 62	30795 300	58931 1.3K	31405 6.2K	30779 30K	30138 130K	31472 620K	30648 3.0M
30656 3.3	59192 15	60134 68	30867 330√	29760 1.5K√	31430 6.8K	30841 33K√	30171 150K	31501 680K	30681 3.3M
30699 3.6	30197 16	60222 75	30921 360	29786 1.6K	31536 7.5K	30912 36K	30226 160K	31579 750K	30710 3.6M
30728 3.9	30234 18	60302 82	30963 390√	29807 1.8K	31595 8.2K	30955 39K	30269 180K	31632 820K	30744 3.9M
30980 4.3	30411 20	31675 91	31085 430	30277 2.0K√	60353 9.1K	31077 43K	30437 200K	31704 910K	30998 4.3M
59811 4.7	65736 22	29946 100√	31165 470√	30314 2.2K√	29911 10K√	31149 47K√	30525 220K	29698 1.0M√	31051 4.7M
31211 5.1	30541 24	30040 110	31317 510	30357 2.4K	30031 11K	31309 51K	30576 240K	29727 1.1M	31245 5.1M
31253 5.6	30584 27	30082 120	31376 560	30390 2.7K√	30074 12K	31350 56K	30613 270K	29743 1.2M	59942 5.6M
31392 6.2	30752 30	30120 130	31464 620	30630 3.0K	30111 13K	31456 62K	30808 300K	29751 1.3M	31413 6.2M
31421 6.8	30824 33	30162 150√	31499 680√	30672 3.3K√	30146 15K√	31481 68K	30883 330K√	29778 1.5M	31448 6.8M
31528 7.5	30904 36	59248 160	31561 750	30701 3.6K	30200 16K	31552 75K	30939 360K	29794 1.6M	31544 7.5M
31587 8.2	59723 39	59281 180	31624 820	30736 3.9K	30242 18K	31616 82K	30971 390K	29815 1.8M	31608 8.2M
31641 9.1	31069 43	59424 200	31691 910	59782 4.3K	30429 20K√	31683 91K	31093 430K	30285 2.0M	31667 9.1M
									29938 10M√

K=1000 Ohms M=1,000,000 Ohms - (√) Resistor values for (Asst. 27) Part No. 10663

Carbon Film 1/4 Watt 5% Resistors (Bulk)

Part No./Ohms	Pricing		OEM Pricing		
	100 pc. increments		Sold in increments of 1000 (1000 per box)		
	100	1K	5K	10K	25K
	\$1.79/C	\$8.20/K	\$7.70/K	\$7.20/K	\$5.90/K

Tape and reel resistors may be special ordered any value - 5000 per reel minimum - \$8.95K - Call for larger quantity pricing.

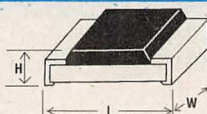
Carbon Film 1/4 Watt 5% Resistor Assortments

Part No.	Product No.	Description	Price
10719	ASST8	5 each 70 values (every other value from R10ohm-R5.6meg) 1/4 Watt Carbon Film (350 pcs.)	\$9.95
10663	ASST27	100 each (27 checked (√) values) 1/4 Watt Carbon Film Resistors (2,700 pcs.)	39.95
103165	ASST30	10 each (24 (*) values) 50 each (6 (#) values) 1/4 watt Carbon Film Resistors (540 pcs.)	12.95
10655	ASST161	100 each 161 values (all above values) 1/4 Watt Carbon Film Resistors (16,100 pcs.)	119.95
81832	CAB20	Resistor Component Cabinet Kit (30 values) See page 38 (540 pcs.)	29.95

Surface Mount Thick Film Resistor Chips

NEW

- Industry standard size
- Highly reliable multilayer electrode construction
- Compatible with both flow soldering and reflow soldering
- Highly stable in auto-placement surface mounting applications
- Temperature Coefficient: 300ppm/°C
- Maximum working voltage: 100V



Type	L	W	H
RC-05 (0805)	0.079±0.006 (2.0±0.15)	0.049±0.006 (1.25±0.15)	0.020±0.004 (0.5±0.1)
RC-06 (1206)	0.126±0.006 (3.2±0.15)	0.063±0.006 (1.60±0.15)	0.024±0.004 (0.6±0.1)

0805 SMT Case

- Power rating @ 70° C 0.10W
- Maximum working voltage 100V
- Resistance range(5% tolerance) 2.7Ω - 10MΩ
- Solderability 95% min. coverage
- Marking 3 digit values

1206 SMT Case

- Power rating @ 70° C 0.125W
- Maximum working voltage 200V
- Resistance range(5% tolerance) 2.7Ω - 10MΩ
- Solderability MIL-STD-202F, method 208 230°C for 5 seconds
- Marking 3 digit values

- Industry standard size
- Barrier layer end termination
- Available in 8mm tape and reel per EIA RS481
- 5% tolerance
- Temperature Coefficient: 300ppm/°C
- Maximum working voltage: 200V

1/10 Watt 5% Resistor Chips (0805)

Part No.	Ohms	Part No.	Ohms	Part No.	Ohms
95661	2.7	95839	1.0K	96006	51K
95679	7.5	95847	1.5K	96014	62K
95687	10	95855	1.6K	96022	82K
95695	13	95863	2.0K	96031	100K
95708	20	95871	2.2K	96049	160K
95716	27	95880	3.3K	96161	220K
95724	47	95898	4.7K	96057	240K
95732	56	95901	5.1K	96065	360K
95741	100	95919	5.6K	96073	470K
95759	110	95927	6.8K	96081	620K
95767	150	95935	10K	96090	680K
95775	220	95943	15K	96102	750K
95783	270	95951	22K	96111	1.0M
95791	330	95960	27K	96129	1.5M
95804	390	95978	30K	96137	4.7M
95812	470	95986	33K	96145	6.8M
95821	680	95994	47K	96153	10M

1/8 Watt 5% Resistor Chips (1206)

Part No.	Ohms	Part No.	Ohms	Part No.	Ohms
96170	2.7	96348	1.0K	96516	51K
96188	7.5	96356	1.5K	96524	62K
96196	10	96364	1.6K	96532	82K
96209	13	96372	2.0K	96541	100K
96217	20	96381	2.2K	96559	160K
96225	27	96399	3.3K	96671	220K
96233	47	96401	4.7K	96567	240K
96241	56	96410	5.1K	96575	360K
96250	100	96428	5.6K	96583	470K
96268	110	96436	6.8K	96591	620K
96276	150	96444	10K	96604	680K
96284	220	96452	15K	96612	750K
96292	270	96461	22K	96621	1.0M
96305	330	96479	27K	96639	1.5M
96313	390	96487	30K	96647	4.7M
96321	470	96495	33K	96655	6.8M
96330	680	96508	47K	96663	10M

1/10 Watt 5% Thick Film Resistor Chips (0805) RC-05

Part No./Ohms	Pricing		OEM Pricing		
	100 pc. increments	1000 pc. increments	5000 pc. increments (5000 per 7" reel)		
	100	1K	5K	10K	25K
	\$2.95/C	\$27.40/K	\$18.90/K	\$16.90/K	\$9.90/K

1/8 Watt 5% Resistor Chips (1206) RC-06

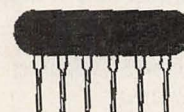
Part No./Ohms	Pricing		OEM Pricing		
	100 pc. increments	1000 pc. increments	5000 pc. increments (5000 per 7" reel)		
	100	1K	5K	10K	25K
	\$2.95/C	\$25.90/K	\$17.90/K	\$15.90/K	\$9.20/K

We will special order any value of resistors on above Resistor Value Chart - 5000 pcs. minimum - same price as above.

Features:

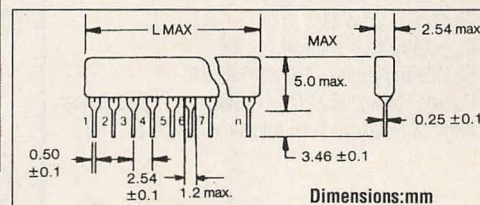
- Cermet thick film construction
- Low profile 5mm (.200" body height)
- 6, 8, 10 pins available

Single-In-Line "SIP" Resistor Networks



Resistor Network Cross Reference Chart

Jameco	CTS	A - B	Bourns	Dale	Beckman	Sprague	MEPCO
6BRN...	770-61-R...	706A...	4606X-101...	CSC06A01...	L06-1-R...	256CF...X2PD	9S06...GL002
8BRN...	770-81-R...	708A...	4608X-101...	CSC08A01...	L08-1-R...	356CF...X2PD	9S08...GL002
10BRN...	770-101-R...	710A...	4610X-101...	CSC10A01...	L10-1-R...	256CX...X2PD	9S10...GL002
6IRN...	770-63-R...	706B...	4606X-102...	CSC06A03...	L06-3-R...	256CF...X2SR	9S06...GL001
8IRN...	770-83-R...	708B...	4608X-102...	CSC08A03...	L08-3-R...	256CH...X2SR	9S08...GL001
10IRN...	770-103-R...	710B...	4610X-102...	CSC10A03...	L10-3-R...	256CK...X2SR	9S10...GL001



Bussed or Isolated Networks available!

6-Pin Bussed (5 resistors)

Part No./Ohms	Part No./Ohms
97666 100	97914 4.7K
97674 220	97922 10K
97682 330	97931 15K
97691 470	97949 22K
97703 1K	97957 33K
97711 2.2K	97965 47K
97720 3.3K	97973 100K

6-Pin Isolated (3 resistors)

Part No./Ohms	Part No./Ohms
97391 100	97981 4.7K
97404 220	97990 10K
97412 330	98001 15K
97421 470	98010 22K
97439 1K	98028 33K
97447 2.2K	98036 47K
97455 3.3K	98044 100K

Price	OEM Price
1 10 100	1000 5000
\$.17 \$.15 \$.12	\$.08 \$.075

8-Pin Bussed (7 resistors)

Part No./Ohms	Part No./Ohms
97738 100	98239 15K
97746 220	98247 22K
97754 330	98255 33K
97762 470	98263 47K
97771 1K	98271 100K
97789 1.5K	98280 220K
97797 2.2K	98298 330K
97800 3.3K	98301 470K
97818 4.7K	98319 1Meg
97826 10K	

8-Pin Isolated (4 resistors)

Part No./Ohms	Part No./Ohms
97463 100	98327 15K
97471 220	98335 22K
97480 330	98343 33K
97498 470	98351 47K
97501 1K	98360 100K
97519 1.5K	98378 220K
97527 2.2K	98386 330K
97535 3.3K	98394 470K
97543 4.7K	98407 1Meg
97551 10K	

Price	OEM Price
1 10 100	1000 5000
\$.22 \$.19 \$.17	\$.11 \$.10

10-Pin Bussed (9 resistors)

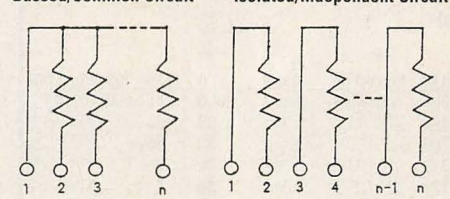
Part No./Ohms	Part No./Ohms
97834 100	98052 15K
97842 220	98061 22K
97851 330	98079 33K
97869 470	98087 47K
97877 1K	98095 100K
97885 1.5K	98108 220K
97893 2.2K	98116 330K
97906 3.3K	98124 470K
24660 4.7K	98132 1Meg
24643 10K	

10-Pin Isolated (5 resistors)

Part No./Ohms	Part No./Ohms
97560 100	98141 15K
97578 220	98159 22K
97586 330	98167 33K
97594 470	98175 47K
97607 1K	98183 100K
97615 1.5K	98191 220K
97623 2.2K	98204 330K
97631 3.3K	98212 470K
97640 4.7K	98221 1Meg
97658 10K	

Price	OEM Price
1 10 100	1000 5000
\$.27 \$.25 \$.21	\$.14 \$.13

Bussed/Common Circuit Isolated/Independent Circuit



ITEM SPECIFICATIONS

Rated Power per Resistor at 70°C: Common/Bussed: 125mW
Isolated: 125mW

Operating Temperature Range: -55 to 125°C

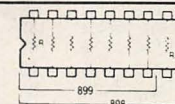
Resistance Temperature Coefficient: 200ppm/°C

Max. Working Voltage: 100V or rated power x resistance, whichever is smaller

Insulation Resistance: 10,000MΩ min. at 100V

Solderability: Per MIL-R-83401

1Kohm, 125mW,
16 pin DIP bussed
Resistor Network

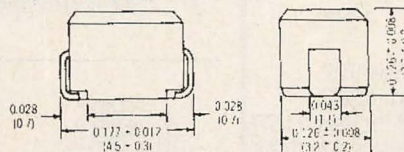


Part No.	Description	1	100	500
87601	1Kohm resistor	\$.49	\$.45	\$.35

Inductors and Chokes

Surface Mount Inductor

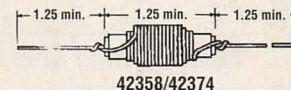
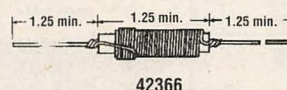
- Tolerance: 10% • Operating temperature: -25°C to 85°C
- Handles 15% to 55% more current than other chip inductors of the same size
- Ideal for high power • Superior Q
- Extremely high reliability in a wide temperature and humidity range
- Excellent for flow, re-flow soldering, and soldering irons



Part No.	Product No.	uH	Current (max.)	Inductor Test Freq.	Tol. %	Q Min.	SRF MHz (min.)	RDC Ohms (max.)	Case Style SMD	1-9	10-99	100-999
28610	PM40-470K	47	140mA	2.52 MHz	10	50	10	5	1812	\$.85	\$.75	\$.69

Hash Chokes

- Heavy duty, general purpose inductors • Ferrite cores
- Compact size and pretinned leads make them ideal for use in printed circuit boards
- Applications: SCR/Triac control circuits, filters for switching regulators, RF circuits, audio filters, hash filters, power supplies, power amplifiers, and chokes

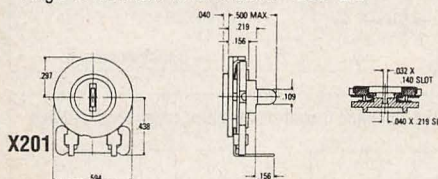


Part No.	Product No.	uH	Current (max.)	Coil Dia. (max.)	Form Length	Lead Wire Size	Lead Length	Core Material	RDC Ohms (max.)	1-9	10-99	100-999
42358	5248	68	5A	0.56"	1.25"	AWG 20	1.25"	Ferrite	0.054	\$1.95	\$1.75	\$1.49
42366	5250	100	2A	0.38"	1.25"	AWG 20	1.25"	Ferrite	0.216	1.95	1.75	1.49
42374	5252	125	3.5A	0.50"	1.25"	AWG 20	1.25"	Ferrite	0.08	2.25	1.95	1.75

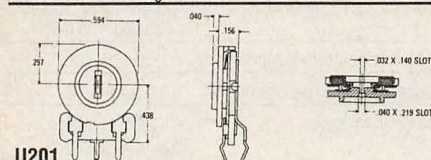
We carry major manufacturers – call for pricing in quantities over 1000.

19/32" Miniature Trimmer Potentiometers

- Miniature size – knob 19/32" diameter
- Rim to guide screwdriver
- Reliable CTS composition resistance element
- Resistance Tolerance: $\pm 20\%$
- Power Rating, Watts:
Below 5000 Ω – 1/4 watt @ 40°C
5000 Ω and above – 1/4 watt @ 55°C
- Voltage Rating: 350 VDC • Resistance Tapers: Linear
- Angle of Rotation: Total rotation – 260° $\pm 5^\circ$

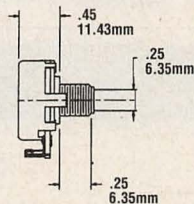
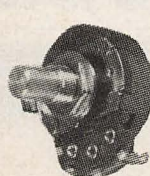


Part No.	Product No.	Ohms	1-9	10-99	100-999	1000
94684	X201R500	500	\$.39	\$.35	\$.27	\$.21
94692	X201R1K	1K	.39	.35	.27	.21
94705	X201R5K	5K	.39	.35	.27	.21
94713	X201R10K	10K	.39	.35	.27	.21
94721	X201R50K	50K	.39	.35	.27	.21
94730	X201R100K	100K	.39	.35	.27	.21
94748	X201R500K	500K	.39	.35	.27	.21
94756	X201R1Meg	1MEG	.39	.35	.27	.21



Part No.	Product No.	Ohms	1-9	10-99	100-999	1000
94764	U201R500	500	\$.39	\$.35	\$.27	\$.21
94772	U201R1K	1K	.39	.35	.27	.21
94781	U201R5K	5K	.39	.35	.27	.21
94799	U201R10K	10K	.39	.35	.27	.21
94801	U201R50K	50K	.39	.35	.27	.21
94810	U201R100K	100K	.39	.35	.27	.21
94828	U201R500K	500K	.39	.35	.27	.21
94836	U201R1Meg	1MEG	.39	.35	.27	.21

1/2 Watt Linear Taper Potentiometers



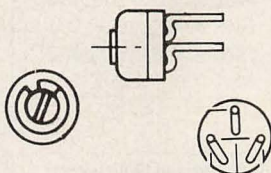
- 1/2 Watt @ 70°C
- Temperature range: -55°C to +125°C
- $\pm 10\%$ Tolerance
- Non-slotted shaft end
- Non-rotation key
- Mounting hole: 0.3125"
- Shaft Diameter: 0.25"
- Shaft Length: 0.5625"
- Max. Panel Thickness: 0.1875"
- Solder Eyelet Diameter: 0.625"

Part No.	Product No.	Ohms	1-9	10-99	100-499	500-999
29049	P1K	1K	\$.99	\$.79	\$.75	\$.69
29196	P5K	5K	.99	.79	.75	.69
29081	P10K	10K	.99	.79	.75	.69
29102	P100K	100K	.99	.79	.75	.69
29065	P1MEG	1MEG	.99	.79	.75	.69

Potentiometer Grab Bags

Part No.	Product No.	Description	Price
18075	GB113	30 each miniature trimmer pots (500 Ω to 50K)	\$3.95
18278	GB174	50 each 1/4 watt thumbwheel pots-single turn (500 Ω to 5Meg)	3.95
78967	GB135	50 each 1/2 watt single turn pots (1K to 50K)	3.95

Equivalent to:	
Beckman	82M
Bourns	3329P
Mecopac	8050
MEC	471
Murata	3321P
Spectrol	62-3
VRN	171
Weston	567

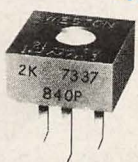


1/4" Round Single-Turn Cermet Potentiometers

- 1/2 Watt Linear Taper @ 85°C
- $\pm 10\%$ Tolerance
- Sealed to withstand any wave soldering and immersion cleaning process
- Extended temperature range: -55°C to +150°C
- Top adjustment
- Terminals: Solderable pins

Part No.	Product No.	Ohms	1-9	10-99	100-499	500-999
95433	3329P500	500	\$1.29	\$1.09	\$.89	\$.75
95441	3329P1K	1K	1.29	1.09	.89	.75
95450	3329P5K	5K	1.29	1.09	.89	.75
96719	3329P10K	10K	1.29	1.09	.89	.75
95468	3329P20K	20K	1.29	1.09	.89	.75
95476	3329P50K	50K	1.29	1.09	.89	.75
95484	3329P100K	100K	1.29	1.09	.89	.75
95492	3329P1MEG	1MEG	1.29	1.09	.89	.75

Equivalent to:	
Beckman	72PR
Bourns	3386P
Mecopac	8038
Murata	3104P
Spectrol	63P
VRN	780-12P
Weston	840P



3/8" Square Single-Turn Cermet Potentiometers

- 1/2 Watt Linear Taper @ 70°C
- $\pm 10\%$ Tolerance
- PC Pins: .100" grid (2.54mm) TO-5 Grid
- Top adjusting
- Sealed to guard against contaminants
- Temperature Range: -55°C to +125°C

Part No.	Product No.	Ohms	1-9	10-99	100-499	500-999
43094	63P50	50	\$.85	\$.75	\$.69	\$.65
43123	63P500	500	.85	.75	.69	.65
42964	63P1K	1K	.85	.75	.69	.65
43043	63P2K	2K	.85	.75	.69	.65
43078	63P5K	5K	.85	.75	.69	.65
43001	63P10K	10K	.85	.75	.69	.65
43051	63P20K	20K	.85	.75	.69	.65
43107	63P50K	50K	.85	.75	.69	.65
43027	63P100K	100K	.85	.75	.69	.65
63212	63P500K	500K	.85	.75	.69	.65
42981	63P1MEG	1MEG	.85	.75	.69	.65

Equivalent to:	
Beckman	89PR
Bourns	3006P
Mecopac	8034
Murata	2101P
Spectrol	43P
VRN	961-20
Weston	830P

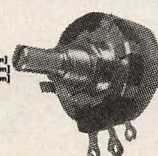
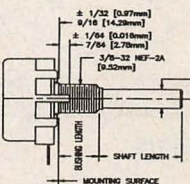


3/4" Rectangular 15-Turn Cermet Potentiometers

- 3/4 Watt Linear Taper @ 70°C
- $\pm 10\%$ Tolerance
- PC Pins: .100" grid (2.54mm)
- Side adjusting
- Sealed to guard against contaminants
- Temperature Range: -55°C to +125°C

Part No.	Product No.	Ohms	1-9	10-99	100-499	500-999
41937	43P500	500	\$.99	\$.89	\$.79	\$.69
41785	43P1K	1K	.99	.89	.79	.69
41865	43P2K	2K	.99	.89	.79	.69
41890	43P5K	5K	.99	.89	.79	.69
41822	43P10K	10K	.99	.89	.79	.69
41873	43P20K	20K	.99	.89	.79	.69
41911	43P50K	50K	.99	.89	.79	.69
41849	43P100K	100K	.99	.89	.79	.69
41953	43P500K	500K	.99	.89	.79	.69
41806	43P1MEG	1MEG	.99	.89	.79	.69

2 Watt Linear Taper Potentiometers

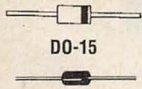


- 2 Watt @ 70°C Ambient
- Comes with mounting hardware
- Non-rotation key
- Shaft Diameter: 0.25"
- Max. Panel Thickness: 0.25"
- Temperature Range: -55°C to +120°C
- Slotted shaft end
- Mounting hole: 0.375"
- Shaft Length: 0.875"
- Solder Eyelet Dia: 0.625"
- $\pm 10\%$ Tolerance

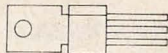
Equivalent to: Clarostat 53C3 / OHMITE CMU

Part No.	Product No.	Ohms	Military No.	1-9	10-99	100-499	500-999
13936	CMU1021	1K	RV4N-AYSD-102A	\$4.95	\$4.49	\$3.39	\$2.69
13995	CMU5021	5K	RV4N-AYSD-502A	4.95	4.49	3.39	2.69
13952	CMU1031	10K	RV4N-AYSD-103A	4.95	4.49	3.39	2.69
54869	CMU2531	25K	RV4N-AYSD-253A	4.95	4.49	3.39	2.69
95417	CMU5031	50K	RV4N-AYSD-503A	4.95	4.49	3.39	2.69
13979	CMU1041	100K	RV4N-AYSD-104A	4.95	4.49	3.39	2.69
95425	CMU1052	1MEG	RV4N-AYSD-105A	4.95	4.49	3.39	2.69

We carry major manufacturers – call for pricing in quantities over 5000.



DO-201/A Case



TO-202 Case



179-01 Case



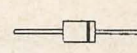
DL-35/41 (SMT)



4-Pin Dip Case



4-lead Molded



DO-41/35/27A/7 Case



DO-5/TO-48 Case



TO-220 Case

Zener Diodes

Part No.	Product No.	Case	Description	1-9	10-99	100-999	1000-4999
36290	1N751	DO-35	5.1 V 500mWatt	\$.19	.15	.12	.08
36302	1N753	DO-35	6.2 V 500mWatt	.19	.15	.12	.08
36089	1N4732	DO-41	4.7 V 1 Watt	.19	.15	.12	.08
36097	1N4733	DO-41	5.1 V 1 Watt	.19	.15	.12	.08
94861	1N4733SM	DL-41	5.1 V 1 Watt	.25	.22	.19	.15
36118	1N4734	DO-41	5.6 V 1 Watt	.19	.15	.12	.08
36126	1N4735	DO-41	6.2 V 1 Watt	.19	.15	.12	.08
94879	1N4735SM	DL-41	6.2 V 1 Watt	.25	.22	.19	.15
36169	1N4742	DO-41	12.0 V 1 Watt	.19	.15	.12	.08
94887	1N4742SM	DL-41	12.0 V 1 Watt	.25	.21	.17	.15
36185	1N4744	DO-41	15.0 V 1 Watt	.19	.15	.12	.08

Switching Diodes

35967	1N3600	DO-35	50 PRV 200mA	\$.17	.15	.12	.08
94895	1N3600SM	DL-35	50 PRV 200mA	.59	.55	.45	.39
36038	1N4148	DO-35	75 PRV 10mA (1N 914)	.06	.05	.04	.035
94908	1N4148SM	DL-35	75 PRV 10mA (1N 914)	.12	.10	.09	.08

General Purpose Diode

35941	1N270	DO-7	80 PRV 200mA	\$.25	.23	.19	.17
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Silicon Rectifiers

35975	1N4001	DO-41	50 PRV 1 Amp	\$.09	.06	.045	.035
94916	1N4001SM	DL-41	50 PRV 1 Amp	.29	.27	.23	.19
76961	1N4002	DO-41	100 PRV 1 Amp	.09	.06	.045	.035
76970	1N4003	DO-41	200 PRV 1 Amp	.10	.06	.05	.037
35991	1N5404	DO-41	400 PRV 1 Amp	.10	.06	.05	.04
94924	1N4004SM	DL-41	400 PRV 1 Amp	.30	.28	.24	.20
76988	1N4005	DO-41	600 PRV 1 Amp	.11	.07	.055	.04
76996	1N4006	DO-41	800 PRV 1 Amp	.12	.07	.055	.042
36011	1N4007	DO-41	1000 PRV 1 Amp	.13	.075	.06	.045
77008	1N5391	DO-15	50 PRV 1.5 Amp	.19	.15	.12	.09
77016	1N5392	DO-15	100 PRV 1.5 Amp	.19	.15	.12	.09
77024	1N5393	DO-15	200 PRV 1.5 Amp	.19	.15	.12	.09
77032	1N5395	DO-15	400 PRV 1.5 Amp	.23	.17	.14	.11
77041	1N5397	DO-15	600 PRV 1.5 Amp	.25	.19	.16	.13
77059	1N5398	DO-15	800 PRV 1.5 Amp	.29	.23	.17	.14
77067	1N5399	DO-15	1000 PRV 1.5 Amp	.29	.25	.19	.16
77075	1N5400	DO-27A	50 PRV 3 Amp	.25	.19	.15	.12
36249	1N5401	DO-27A	100 PRV 3 Amp	.25	.19	.15	.12
77083	1N5402	DO-27A	200 PRV 3 Amp	.25	.19	.15	.12
36265	1N5404	DO-27A	400 PRV 3 Amp	.25	.19	.15	.12

Silicon Rectifiers-continued

77091	1N5406	DO-27A	600 PRV 3 Amp	\$.27	.23	.16	.14
77104	1N5407	DO-27A	800 PRV 3 Amp	.29	.24	.17	.15
36273	1N5408	DO-27A	1000 PRV 3 Amp	.31	.25	.18	.16

Fast Efficient Rectifiers

103093	UF4002	DO41	100 PRV 1 Amp	\$.25	.22	.19	.15
103069	UF4003	DO41	200 PRV 1 Amp	.26	.23	.20	.16
103085	UF4004	DO41	400 PRV 1 Amp	.29	.28	.24	.19
103077	UF4005	DO41	600 PRV 1 Amp	.32	.30	.26	.24
103051	UF4007	DO41	1000 PRV 1 Amp	.35	.32	.28	.26

Stud Rectifier

35924	1N1188	DO-5	400 PRV 35 Amp	\$2.95	\$2.49	\$2.19	\$1.75
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Silicon Controlled Rectifiers (SCR) *Isolated

14736	C106B1	TO-202	200 PRV 4A (2N6239)*	\$.65	.59	.49	.41
14859	C38M	TO-48	600 PRV 35A (2N3899)	4.95	4.49	3.95	3.49
14752	C122B	TO-220	200 PRV 8A*	.99	.79	.69	.59
14761	C122M	TO-220	600 PRV 8A*	1.29	1.09	.89	.75

Full Wave Bridge Rectifiers

103018	W02G	4 lead molded	200 PRV 1 Amp	\$.49	.45	.39	.29
102980	W04G	4 lead molded	400 PRV 1 Amp	.49	.45	.39	.29
102998	W06G	4 lead molded	600 PRV 1 Amp	.79	.69	.49	.39
103000	DF01M	4-Pin DIP case	100 PRV 1 Amp	.69	.59	.49	.39
103042	DF02M	4-Pin DIP case	200 PRV 1 Amp	.79	.65	.55	.45
102971	DF04M	4-Pin DIP case	400 PRV 1 Amp	.89	.69	.59	.45
103034	DF06M	4-Pin DIP case	600 PRV 1 Amp	.89	.69	.59	.49
103026	DF10M	4-Pin DIP case	1000 PRV 1 Amp	.99	.79	.69	.59
25574	MDA990-3	179-01	200 PRV 30 Amp	3.49	3.25	2.75	2.49
25591	MDA990-6	179-01	600 PRV 30 Amp	3.95	3.75	3.25	2.95

Triacs

31819	SC146B	TO-220	200 PRV 10A (2N6342)	\$1.69	\$1.45	\$1.25	\$.95
31827	SC146M	TO-220	600 PRV 10A (2N6344)	1.95	1.79	1.49	1.19

Bidirectional Transient Voltage Suppressors

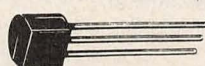
103114	1.5KE6.8CA	DO201	6.8V @10mA 1500W	\$1.29	\$1.09	\$.89	\$.69
103122	1.5KE7.5CA	DO201	7.5V @10mA 1500W	1.29	1.09	.89	.69
103106	1.5KE15CA	DO201	15V @1mA 1500W	1.29	1.09	.89	.69
103131	1.5KE200CA	DO201	200V @1mA 1500W	1.19	.99	.79	.59
103149	1.5KE220CA	DO201	220V @1mA 1500W	1.49	1.35	1.19	.85



TO-72 Case



TO-3 Case



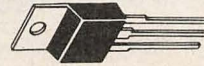
TO-92 Case



TO-39 Case



SOT-23 (SMT)



TO-220 Case



14-pin DIP Case



TO-18 Case

Part No.	Product No.	Case	Description	1-9	10-99	100-999	1000-4999
26462	MPSA06	TO-92	NPN Medium Power	\$.19	.15	.12	.09
26489	MPSA13	TO-92	NPN Power Darlington	.19	.17	.15	.11
94932	MPSA13SM	SOT-23	NPN Power Darlington	.45	.39	.29	.25
33021	TIP29A	TO-220	NPN Power Transistor	.39	.33	.27	.21
33030	TIP30A	TO-220	NPN Power Transistor	.41	.35	.29	.22
33048	TIP31A	TO-220	NPN Power Transistor	.45	.39	.35	.29
33064	TIP32A	TO-220	NPN Power Transistor	.41	.35	.29	.22
33081	TIP41A	TO-220	NPN Power Transistor	.55	.49	.45	.39
33101	TIP42A	TO-220	NPN Power Transistor	.55	.49	.45	.39
26500	MPSU51	TO-202	NPN Silicon Audio	.89	.79	.69	.59
26403	MPF102	TO-92	JFET (N Channel) RF, VHF, UHF, Amp	.45	.39	.37	.35
32977	TIP102	TO-220	NPN Power Darlington	.59	.55	.49	.45
32985	TIP106	TO-220	NPN Power Darlington	.69	.59	.49	.45
32993	TIP120	TO-220	NPN Power Darlington	.49	.43	.35	.25
33013	TIP125	TO-220	NPN Power Darlington	.59	.49	.45	.37
38228	2N2219A	TO-39	NPN General Purpose	.49	.45	.39	.35
28628	PN2222	TO-92	NPN General Purpose	.10	.09	.08	.075
94941	PN2222SM	SOT-23	NPN General Purpose	.29	.25	.19	.16
38236	2N2222A	TO-18	NPN General Purpose	.25	.21	.20	.18
26446	MPN2222	14-Pin DIP	NPN Gen. Purp. Small Signal/Quad	.99	.89	.85	.79
28644	PN2907	TO-92	PNP General Purpose	.10	.09	.08	.075

Part No.	Product No.	Case	Description	1-9	10-99	100-999	1000-4999
94959	PN2907SM	SOT-23	PNP General Purpose	\$.29	.25	.19	.16
38279	2N2907A	TO-18	PNP General Purpose	.25	.21	.20	.18
26454	MPQ2907	14-Pin DIP	PNP Gen. Purp. Small Signal/Quad	.99	.89	.85	.79
25831	MJE2955T	TO-220	PNP Power Transistor	.75	.65	.55	.49
38295	2N3053	TO-39	NPN General Purpose	.59	.55	.49	.45
25857	MJE3055T	TO-220	NPN Power Transistor	.69	.59	.49	.45
38308	2N3055	TO-3	NPN Power BiPolar, Epitaxial Base	.79	.75	.73	.69
28661	PN3569	TO-92	NPN Medium Power Transistor	.19	.15	.12	.09
38324	2N3772	TO-3	NPN Power BiPolar, Epitaxial Base	1.79	1.65	1.49	1.25
38341	2N3823	TO-72	JFET (N Channel) VHF, Amp	1.29	1.19	1.09	.89
38359	2N3904	TO-92	NPN General Purpose	.10	.09	.08	.075
94967	2N3904SM	SOT-23	NPN General Purpose	.29	.25	.19	.16
38375	2N3906	TO-92	PNP General Purpose	.10	.09	.08	.075
94975	2N3906SM	SOT-23	PNP General Purpose	.29	.25	.19	.16
38421	2N4401	TO-92	NPN General Purpose	.12	.11	.10	.08
94983	2N4401SM	SOT-23	NPN General Purpose	.29	.25	.19	.16
38447	2N4403	TO-92	PNP General Purpose	.15	.13	.10	.08
94991	2N4403SM	SOT-23	PNP General Purpose	.31	.27	.21	.17
38480	PN5179	TO-92	NPN High Frequency Transistor	.15	.13	.10	.08
38527	2N5951	TO-92	JFET (N Channel) RF, VHF, UHF, Amp	.79	.69	.65	.59

See Heat Sinks on page 50

We carry major manufacturers - call for pricing in quantities over 5000.

NEW

LEDs and Lamp

NEW LEDs!

• Typical Forward Voltage 1.6 to 2.20V • Typical DC Forward Current 50mA • T1 (3mm) .125" • T1 3/4 (5mm) .200" • Reverse polarity to change color • *With 150K-ohm resistor in series

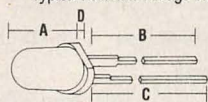


Fig. 1

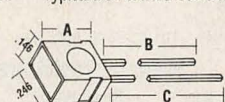


Fig. 2

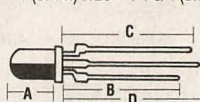


Fig. 3

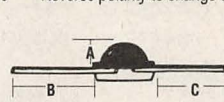


Fig. 4

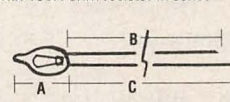


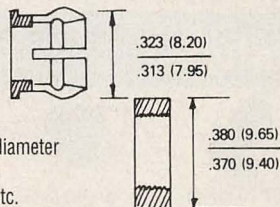
Fig. 5

Fig. 1		Fig. 2		Fig. 3			Fig. 4				Fig. 5						
Part No.	Product No.	Color	Figure	Description	Size	Diameter	A	B	C	D	Vf @ If (mA)	MCD @ mA	nM	1-9	10-99	100-999	1000+
26745	MV50	Red	4	Point source LED	T 3/4	.085"/2.1mm	0.09"	0.37"	0.36"	-	1.6V @ 20mA	1.4 @ 20mA	660	\$.25	\$.23	\$.19	\$.15
94529	XC209RB	Red-Bright	1	Bright diffused LED	T1	.125"/3mm	0.18"	1.04"	1.13"	0.03"	2.2V @ 20mA	4.0 @ 10mA	695	.25	.21	.18	.15
34622	XC209R	Red	1	Diffused LED	T1	.125"/3mm	0.14"	1.09"	1.14"	0.04"	1.7V @ 20mA	0.7 @ 10mA	655	.11	.09	.08	.07
34606	XC209G	Green	1	Diffused LED	T1	.125"/3mm	0.13"	1.05"	1.10"	0.03"	2.2V @ 20mA	7.0 @ 10mA	570	.15	.12	.11	.10
34657	XC209Y	Yellow	1	Diffused LED	T1	.125"/3mm	0.16"	0.68"	0.76"	0.04"	2.1V @ 20mA	5.5 @ 10mA	590	.15	.12	.11	.10
94511	XC556RB	Red-Bright	1	Bright Diffused LED	T1-3/4	.200"/5mm	0.31"	0.81"	0.86"	0.04"	2.0V @ 10mA	4.0 @ 10mA	697	.39	.29	.25	.19
34796	XC556R	Red	1	Diffused LED	T1-3/4	.200"/5mm	0.30"	0.62"	0.68"	0.04"	1.6V @ 20mA	1.8 @ 10mA	697	.12	.09	.08	.07
34761	XC556G	Green	1	Diffused LED	T1-3/4	.200"/5mm	0.31"	0.79"	0.88"	0.04"	2.2V @ 20mA	1.8 @ 10mA	565	.15	.12	.11	.10
34825	XC556Y	Yellow	1	Diffused LED	T1-3/4	.200"/5mm	0.30"	0.82"	0.84"	0.03"	2.1V @ 20mA	1.8 @ 10mA	585	.15	.12	.11	.10
42104	5D16	Blue	1	Diffused LED	T1-3/4	.200"/5mm	0.32"	1.05"	1.11"	0.04"	3.4V @ 45mA	5.0 @ 45mA	470	1.95	1.75	1.49	1.25
11797	BR5704	Red-S. Bright	1	Clear Point Source LED	T1-3/4	.200"/5mm	0.29"	1.05"	1.11"	0.03"	1.7V @ 20mA	160 @ 20mA	660	.79	.69	.59	.49
11359	BG5704	Green-S. Bright	1	Clear Point Source LED	T1-3/4	.200"/5mm	0.30"	1.04"	1.12"	0.04"	2.1V @ 20mA	80 @ 20mA	555	.79	.69	.59	.49
34745	XC554R	Red	1	Clear Point Source LED	T1-3/4	.200"/5mm	0.30"	1.00"	1.12"	0.04"	1.7V @ 20mA	9.0 @ 10mA	697	.23	.21	.18	.15
34753	XC554Y	Yellow	1	Clear Point Source LED	T1-3/4	.200"/5mm	0.30"	1.07"	1.16"	0.02"	1.9V @ 20mA	6.0 @ 10mA	585	.29	.25	.22	.19
81461	XC08R	Red	1	Diffused LED	Jumbo	.315"/8mm	0.37"	1.08"	1.12"	0.08"	2.0V @ 20mA	22 @ 10mA	635	.25	.22	.18	.15
98950	XC08G	Green	1	Diffused LED	Jumbo	.315"/8mm	0.37"	1.05"	1.10"	0.08"	2.2V @ 20mA	17 @ 10mA	570	.25	.22	.18	.15
98968	XC08Y	Yellow	1	Diffused LED	Jumbo	.315"/8mm	0.36"	1.05"	1.10"	0.08"	2.1V @ 20mA	14 @ 10mA	590	.25	.22	.18	.15
98976	XC10R	Red	1	Diffused LED	Jumbo	.385"/10mm	0.40"	1.06"	1.15"	0.12"	2.0V @ 20mA	10 @ 20mA	635	.29	.25	.22	.19
98984	XC10G	Green	1	Diffused LED	Jumbo	.385"/10mm	0.40"	1.07"	1.17"	0.12"	2.2V @ 20mA	10 @ 20mA	570	.39	.35	.29	.25
98992	XC10Y	Yellow	1	Diffused LED	Jumbo	.385"/10mm	0.46"	1.00"	1.08"	0.08"	2.1V @ 20mA	9.0 @ 20mA	590	.39	.35	.29	.25
37690	XC5410	Red/Flash	1	Blinking Diffused LED	T1-3/4	.200"/5mm	0.30"	1.07"	1.13"	0.03"	2.2V @ 20mA	1.8 @ 20mA	660	.59	.49	.47	.45
94561	XC5408	Grn/Flash	1	Blinking Diffused LED	T1-3/4	.200"/5mm	0.30"	1.05"	1.11"	0.04"	2.2V @ 20mA	4.0 @ 20mA	565	.69	.59	.55	.49
94553	XC5391 *	Red/Green	1	Diffused Bi-Color/Tri-State	T1	.125"/3mm	0.18"	1.06"	1.12"	0.03"	2.2V @ 20mA	12 & 4.5 @ 10mA	695/565	.39	.35	.29	.25
34711	XC5491 *	Red/Green	1	Diffused Bi-Color/Tri-State	T1-3/4	.200"/5mm	0.30"	1.01"	1.06"	0.04"	2.2V @ 10mA	1.8 @ 10mA	697/565	.35	.29	.25	.19
104125	XC52GY	Green/Yellow	3	Diffused Bi-Color LED	T1-3/4	.200"/5mm	0.30"	1.02"	1.05"	0.12"	2.2V @ 20mA	4.0 & 14 @ 10mA	695/570	.39	.35	.29	.25
34673	XC52RG	Red/Green	3	Diffused Bi-Color LED	T1-3/4	.200"/5mm	0.30"	1.02"	1.05"	0.12"	2.2V @ 20mA	4.0 & 14 @ 10mA	695/570	.39	.35	.29	.25
34850	XC57124R	Red	2	Rectangular Diffused LED	Rect.	3.7"/6.2mm	0.27"	0.85"	0.93"	-	2.0V @ 20mA	7.5 @ 20mA	635	.25	.23	.21	.19
94545	XC57124G	Green	2	Rectangular Diffused LED	Rect.	3.7"/6.2mm	0.26"	1.06"	1.11"	-	2.2V @ 20mA	5.0 @ 20mA	565	.29	.25	.23	.21
94537	XC57124Y	Yellow	2	Rectangular Diffused LED	Rect.	3.7"/6.2mm	0.26"	1.07"	1.13"	-	2.1V @ 20mA	4.0 @ 20mA	585	.35	.31	.27	.23
27351	NE2	Lamp	5	Neon lamp		.200"/5mm	0.38"	1.20"	1.20"		65-120VDC @ 130-470mA * 65-120VAC @ 150-500mA *		.19	.15	.12	.09	

T1-3/4 LED Mounting Hardware

Black Plastic Ring and Clip

- Mounts in panels up to .125" thick
- Drill .257" diameter hole (F Drill)
- Can be used with any series LED from .16" to .20" diameter
- Can be used with the most popular T1-3/4 LEDs including: XC52RG, XC556 Series, XC5491, etc.



Part No.	Product No.	Description	1-9	10-99	100-999	1000+
23077	LMH200	LED Mounting hardware	\$.12	\$.10	\$.08	\$.06

T1 LED Mounting Hardware

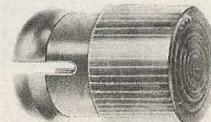
- LED snap-in mounting hardware for T1 package LEDs
- Drill 0.185" diameter hole • Can be used with most popular T1 package LEDs including XC5391 and XC209 series.

Part No.	Product No.	1-9	10-99	100-999	1000+
95513	LMH100	\$.13	\$.11	\$.09	\$.07



Cliplite LED Mounting System

- Panel mounts in a .250" hole on .375" centers
- Panel thickness .062" to .125"
- Will accept LED diameter .16" to .21"
- Equalizes and increases the brightness of commonly used wide-beam LEDs
- Can be used with the most popular T1-3/4 LEDs including: XC52RG, XC5491, XC556, etc.

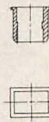


Part No.	Product No.	Color	Description	1-9	10-99	100-999	1000+
14277	CTP280	Clear	Cliplite	\$.27	\$.23	\$.19	\$.16
29612	RTP280	Red	Cliplite	\$.27	\$.23	\$.19	\$.16

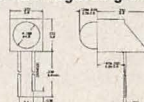
Rectangular LED Mounting Hardware

- LED snap-in mounting hardware for rectangular LEDs • For use with rectangular LEDs with case size 0.244" L x 0.145" W x 0.270" H
- Used with most popular rectangular LEDs such as XC57124 series.

Part No.	Product No.	1-9	10-99	100-999	1000+
95521	LMH250	\$.15	\$.13	\$.11	\$.09



Single LED Right Angle Mount



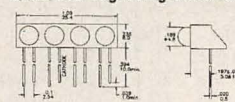
Part No.	Product No.	Description	Vf @ If 20 mA	MCD @ 10 mA	nM	1-9	10-99	100-999	1000+
104248	XC410R	Red	2.2	1.2	695	\$.45	\$.35	\$.29	\$.25
104256	XC410G	Green	2.2	6.0	570	.45	.35	.29	.25
104264	XC410Y	Yellow	2.1	5.0	590	.45	.35	.29	.25
104272	XC410RG	Red/Green*	2.2 @ 10mA	1.8	697/565	.69	.59	.49	.39

NEW

Circuit Board LED Indicators

- Diameter: 0.189"/5 mm
- End Stackable
- Lens type: diffused
- Low cost/long life
- Non-flanged LED
- Red/Green - 2 lead bipolar
- TTL and DTL compatible
- Black plastic case

Quad LED Right Angle Mount



Part No.	Product No.	Description	Vf @ If 20 mA	MCD @ 10 mA	nM	1-9	10-99	100-999	1000+
104281	XC440R	Red	2.2	1.2	695	\$.19	\$.99	\$.79	\$.69
104299	XC440G	Green	2.2	6.0	570	1.19	.99	.79	.69
104301	XC440Y	Yellow	2.1	5.0	590	1.19	.99	.79	.69
104310	XC440RG	Red/Green*	2.2 @ 10mA	1.8	697/565	2.25	1.75	1.49	1.25

We carry major manufacturers – call for pricing in quantities over 1000.

The general advantages of LED display (compared to incandescent light) are:

- Lower power consumption • Longer life time (averaged more than 300,000 hours)
- Compact size which is suitable for instrumentation and graphic representations

Applications:

- Home/consumer appliances • Industrial instrumentation
- Indicators and numeric/alphanumeric information display
- Indoor/outdoor graphic representations



24740



17187



24723



104117

Soldering:

- Soldering Bath: not more than 5 seconds @ 260°C
- Soldering Iron: not more than 3 seconds @ 300°C under 30 W

Part No.	Product No.	Pins/Leads	Compatible with Jameco Socket	Character Height	Color	Polarity	Vf	If	MCD @ If	Wavelength mM	Dec. Pt.	1-9	10-99	100-999
99792	FND10A	9	—	.122"	Red	CC	1.7V	10mA	0.05	665	RHDP	\$.79	\$.69	\$.59
99805	MAN3	9	—	.127"	Red	CC	1.7V	5mA	0.2	665	RHDP	.79	.69	.59
24774	MAN73	8	37161	.294"	Red	CA	1.6V	20mA	0.3	650	± 1	1.19	.99	.89
24731	MAN71	11	37161	.300"	Red	CA	1.6V	20mA	0.3	650	RHDP	1.19	.99	.89
24740	MAN72	11	37161	.300"	Red	CA	1.6V	20mA	0.3	650	LHDP	1.19	.99	.89
24782	MAN74	10	37161	.300"	Red	CC	1.6V	20mA	0.3	650	RHDP	1.19	.99	.89
27545	NSN373	16	PC board mounted	.300"	Red	2 digit CC	1.7V	10mA	1.6	660	—	.69	.49	.39
33961	TSB3881	16	PC board mounted	.300"	Red	4 digit CC	1.7V	10mA	1.6	660	—	7.95	7.15	6.49
99813	MAN82	11	37161	.300"	Yellow	CA	2.5V	20mA	1.2	590	LHDP	1.19	.99	.89
17179	FND357	10	67900	.357"	Red	CC	1.7V	20mA	1.0	655	RHDP	1.19	.99	.89
99493	FND350	10	67900	.362"	Red	CA	1.7V	20mA	0.45	665	RHDP	1.19	.99	.89
99821	MAN4540	9	37161	.400"	Green	CC	2.5V	20mA	0.51	565	RHDP	1.09	.89	.79
99830	MAN4710	11	37161	.400"	Red	CA	1.6V	20mA	0.3	660	RHDP	1.09	.89	.79
101881	5082-7653	11	37161	.430"	Orange	CC	2.0V	20mA	1.11	635	RHDP	1.19	.99	.89
81496	5082-7750	11	37161	.430"	Red	CA	1.6V	20mA	1.1	655	LHDP	.99	.89	.79
99856	5082-7751	11	37161	.430"	Red	CA	1.6V	20mA	1.1	655	RHDP	1.19	.99	.89
42180	5082-7756	12	37161	.430"	Red	Universal ± 1	1.6V	20mA	1.1	655	RHDP	1.19	.99	.89
81470	5082-7760	11	37161	.430"	Red	CC	1.6V	20mA	1.1	655	RHDP	.99	.89	.79
17187	FND503	10	102200	.500"	Red	CC	1.7V	20mA	0.6	665	RHDP	1.19	.99	.89
17208	FND507	10	102200	.500"	Red	CA	1.7V	20mA	1.2	665	RHDP	1.19	.99	.89
99848	MAN660	10	39335	.560"	Orange	CA	2.5V	20mA	0.5	630	RHDP	1.49	1.39	1.29
104213	LTS5301AP	10	101282	.560"	Red	CA	2.0V	20mA	1.8	660	RHDP	1.19	.99	.89
104221	LTD586AG	18	39335	.500"	Green	2 Digit CC	2.0V	20mA	4.0	565	RHDP	1.49	1.29	1.09
24694	MAN6610	18	39335	.560"	Orange	2 Digit CA	2.0V	20mA	4.0	635	RHDP	1.95	1.75	1.49
24707	MAN6640	18	39335	.560"	Orange	2 Digit CC	2.0V	20mA	4.0	635	RHDP	1.95	1.75	1.49
24715	MAN6710	18	39335	.560"	Red	2 Digit CA	2.2V	20mA	1.4	695	RHDP	1.49	1.39	1.29
24723	MAN6740	18	39335	.560"	Red	2 Digit CC	2.2V	20mA	1.4	695	RHDP	1.49	1.39	1.29
103499	FND603	10	102200	.600"	Red	CC	1.7V	20mA	1.0	655	RHDP	1.29	1.09	.99
18737	HP3401	13	39335	.800"	Red	CA	1.6V	20mA	0.9	655	RHDP	1.49	1.29	1.09
18753	HP3405	13	39335	.800"	Red	CC	1.6V	20mA	0.9	655	LHDP	1.49	1.29	1.09
97172	CSS104H	10	102200	1.0"	Red	CA	2.2V	20mA	3.2	695	RHDP	2.49	2.25	1.95
97181	CSS105H	10	102200	1.0"	Red	CC	2.2V	20mA	3.2	695	RHDP	2.49	2.25	1.95
97199	CSS2314D	10	102200	2.24"	Red	CA	7.0V	20mA	60.0	660	RHDP	5.95	5.49	4.95
97201	CSS2315D	10	102200	2.24"	Red	CC	7.0V	20mA	60.0	660	RHDP	5.95	5.49	4.95

Dot Matrix Displays

32951	TIL311	11	37161	.270"	Red	4 X 7 HEX w/ logic	5.0V	5mA	0.1	660	—	9.95	9.49	8.95
100010	LTP1057A	14	101282	1.2" x .85"	Red	CC/AR	1.8V	20mA	3.5	660	—	3.95	3.49	2.95
100028	LTP2158A	14	101282	2.3" x 1.4"	Red	CC/AR	1.8V	20mA	4.0	660	—	3.95	3.49	2.95

Alpha-Numeric Displays

33970	TSM1416	20	101282	.160"	Red	4 digit 16-segment	5.0V	80mA	0.75	660	—	29.95	26.49	24.25
33988	TSM2416	18	39335/101282	.160"	Red	4 digit 17-segment	5.0V	65mA	1.0	655	—	22.95	19.95	17.95
104117	LT3784E	18	39335	.540"	Orange	2 digit CC	2.1V	20mA	2.6	635	RHDP	2.95	2.59	2.25

• CA-Common Anode / CC-Common Cathode • LHDP-Left Hand Decimal Point / RHDP-Right Hand Decimal Point • R=Red, O=Orange Inquiries welcome for further quantity discounts.

Optoisolators



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7



Fig. 8



Fig. 9



Fig. 10

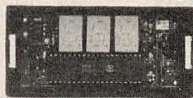
Part No.	Product No.	Fig.	Pins	Skt. Req.	Description	1-9	10-99	100-999
18825	H11AA1	1	6	8	Infrared diode and NPN Phototransistor (2500V)	\$.89	\$.79	\$.69
18833	H11C3	2	6	8	SCR Output Optoisolator (3535V)	1.39	1.25	1.09
24900	MCT2	3	6	8	Infrared diode and NPN Phototransistor (3500V)	.55	.49	.45
24918	MCT6	4	8	8	Dual Phototransistor (2500V) (15MA)	1.25	1.15	.99
26278	MOC3010	5	6	8	Optically Isolated Triac Driver (7500V)	.75	.65	.55
95020	MOC3011	5	6	8	Optically Isol. Triac Driver (7500V) 10MA	.79	.69	.59
95038	MOC3021	5	6	8	Optically Isol. Triac Driver (7500V) 15MA	.89	.79	.69
26294	MOC3031	6	6	8	Zero Voltage Crossing Triac Driver (7500V)	1.49	1.35	1.19
28433	PC900V	7	6	8	Digital Output Optical Photocoupler (5000V)	2.49	2.25	1.95
40985	4N25	3	6	8	NPN Phototransistor, optically coupled to gallium arsenide diode (2500V)	.49	.45	.39

Part No.	Product No.	Fig.	Pins	Skt. Req.	Description	1-9	10-99	100-999
41005	4N26	3	6	8	NPN Phototransistor, optically coupled to gallium arsenide (1500V)	\$.49	\$.45	\$.39
41013	4N28	3	6	8	NPN Phototransistor, optically coupled to gallium arsenide (500V)	.49	.45	.39
41021	4N32	8	6	8	Infrared diode and NPN photo-darlington (2500V)	.59	.55	.49
41030	4N33	8	6	8	Infrared diode and NPN photo-darlington (1500V)	.59	.55	.49
41056	4N35	3	6	8	NPN Phototransistor, optically coupled to diffused planar gallium arsenide diode (2500V)	.49	.45	.39
95011	4N37	3	6	8	NPN Phototransistor, and PN infrared emitting diode (2500V)	.49	.45	.39
42471	6N136	9	8	8	High Speed Optocoupler (3000V)	1.19	1.09	.99
42489	6N138	10	8	8	Hi-Gain Split-Darlington (3000V)	1.39	1.25	1.09

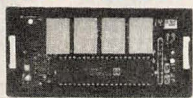
We carry major manufacturers - call for pricing in quantities over 100.



Digital Panel Meters



82202

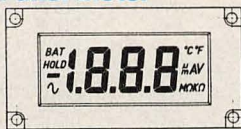


82211

- Low profile design • Front access calibration
- High visibility LED displays • Accuracy: 2% full scale
- Supply voltage: +5V regulated • 200mA (Max)
- Display size: .56" high visibility LED
- Documentation included • Size 1.9"L x 4"H x 1"D

Part No.	Product No.	Description	1-9	10-24
82202	DPM1-1	RED 3.0 DPM	\$39.95	\$35.95
82211	DPM2-2	RED 3.5 DPM	\$39.95	\$35.95

DigiMeter 3 1/2-Digit LCD Digital Panel Meter



16029

Applications:

- Portable test & measurement systems
- Laboratory instrumentation
- Medical research & development

Features:

- 3 1/2-digit high visibility .5" display
- Controlled recovery (immediate return to zero)
- Display on-hold option
- Auto zero • Auto polarity
- Low battery indication
- Single 9V battery or 5V operation
- True differential input and reference
- Selectable annunciators

Specifications:

- Power dissipation typically less than 20mW
- 200mV full scale input sensitivity
- 1 pA input current typical
- Supply voltage: 7.5-15VDC
- Linearity $\pm 1/2$ count, entire range (.5%FS)
- 1/2 count or less rollover error
- Reference stability (Tempco) 35 PPM/°C
- Accuracy $\pm 1/2$ count typical
- Size: 2.36"L x 1.5"H x .32"D

Part No.	Product No.	Description	1-9	10-99
16029	DM1760	LCD digital panel meter	\$37.95	\$33.95
24854	MB10	Mounting bezel for 16029	\$5.95	\$5.39

VL Electronics 0.5" 3 1/2 & 4-Digit Field Effect LCD Displays

Both Displays Feature:

- Reflective LCD gives a dark display on a light background
- Ready to mount
- 40-pin package (no connector required)
- Size: 2"L x 1.2"H x .10"D
- Pin spacing: 1" centers
- Compatible with socket 78641 (see page 40)



17110



17110 Applications: (FE0202D)

- Digital multimeters, thermometers, pressure gauges, timers, clocks (12 or 24 hour format) and frequency counters

32230

32230 Applications: (FE0203D)

- Digital voltmeters, thermometers, pressure gauges, timers and clocks
- Can be used with Intersil's 7106CPL (see page 9)

Part No.	Description	1-9	10-99
17110	4 digit field effect LCD with pins	\$9.95	\$8.95
32230	3 1/2 digit field effect LCD with pins	9.95	8.95



4-Digit Clock Modules

Applications:

- Clock/radio timer
- Alarm clock
- Desk clock
- TV-Stereo timers
- Instrument panel clock/timer

.84 Red 4-digit Display Clock Module

- 12/24 hour display format
- 50/60 Hz selectable input
- Power failure indication
- Brightness control capability
- Sleep and snooze timers
- Alarm "ON" and PM Indicators
- Fast and slow set controls
- Requires power transformer and setting switches



Part No.	Product No.	Description	1-9	10-99
101961	MA1010	.84" 4-Digit LED display clock module, 24 hour 50/60 Hz	\$3.95	\$3.49

.7" Red 4-digit Display Clock Module

- 12/24 hour display format
- 50/60 Hz selectable input
- Power failure indication
- Brightness control capability
- Sleep and snooze timers
- Alarm "ON" and PM Indicators
- Fast and slow set controls
- Requires power transformer and setting switches



Part No.	Product No.	Description	1-9	10-99
101979	MA1013	.7" 4-Digit LED display clock module, 12 hour 50/60 Hz	\$3.95	\$3.49

.7" Red 4-digit LED Display Clock Module

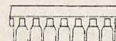
- MA1023-1 clock module
- PCB with extra circuitry
- 12/24 hour display format
- 50/60 Hz selectable input
- PM, colon and alarm indicators
- 24 hour output signal for optional calendar circuit
- Continuous "Two-level" or automatic display brightness capability
- Requires power transformer and setting switches



Part No.	Product No.	Description	1-9	10-99
101987	MA1027	.7" 4-Digit LED clock module	\$3.95	\$3.49

Epson Real Time Clock Modules

A Real Time Clock incorporating an on-board quartz crystal in a single package, eliminating the need for an external crystal, resistors or capacitors. Frequency stability ± 50 ppm



RTC58321B

specifications:

- Built-in 32.768KHz quartz crystal
- Low power standby operation
- Addressable counter start, stop, and reset function
- 12 or 24-hour format
- Automatic leap year setting
- Microprocessor compatible 4-bit data bus
- Standard 16-pin DIP package

Part No.	Product No.	Description	1-9	10-99
29591	RTC58321B	16-pin DIP clock module	\$5.95	\$5.49

RTC72421B specifications:

- The built-in quartz crystal makes board design easy
- Direct bus-compatibility (120 nsec access time)
- Interrupt masking
- 30 seconds error adjustment function
- 18 pin dual in-line plastic package

Part No.	Product No.	Description	1-9	10-99
95530	RTC72421B	18-pin DIP clock module	\$6.95	\$6.49



4-Digit Red Alphanumeric Intelligent Displays

- Built-in memory, decoder, multiplexer and drivers
- End-stackable, 4 character package
- High contrast, .16" high, magnified monolithic characters and 64-Character ASCII format
- Direct access to each digit independently and asynchronously
- 5V logic, TTL compatible
- Compatible w/Jameco socket 101282 (see pg 40)
- 5V power supply only • Independent cursor function
- Size: 33970: 1" L x 1.19" H x .225" D
33988: 1" L x .75" H x .245" D



33970

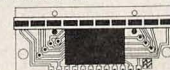
Part No.	Product No.	Description	1-9	10-99
33970	TSM1416	16-segment display	\$29.95	\$26.95
33988	TSM2416	17-segment compact display	22.95	19.95



10-Segment Bargraph Display With On-Board Driver IC

Applications:

- Power meter in audio systems
- VU-meter in tape recorders, etc.



34016

Features:

- Bar or dot display mode externally selectable by user
- Packages are end-stackable for extended displays
- Can be cascaded to 10 arrays (100 bargraph elements)
- LED current programmable from 2mA to 30mA
- Stable internal voltage reference for full scale analog inputs from 1.2 to 12V
- Size: 2"L x .88"H x .19"D (.160"L x .063"H per bar)

Part No.	Product No.	Description	1-9	10-99
33996	TSM3914	Linear function (10 bars red)	\$6.95	\$5.95
99864	TSM39147	Linear function (8 bars green, 2 red)	6.95	5.95
34016	TSM3916	VU-meter function (10 bars red)	9.95	8.95

Futaba .5" Blue Green Fluorescent Display



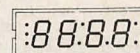
- 4-Digit vacuum fluorescent display
- 10 bar indicators and a colon indicator
- Ideal for use in timer clocks and other such appliances or applications
- Blue-green illuminations
- Size: 3.88" L x 1.563" H x .75" W (leads: .75" long)
- Can be utilized as an alarm clock by using the MK50250 clock chip (see below)

Part No.	Product No.	Description	1-9	10-99
42112	5LT43	4-digit display w/colon	\$2.95	\$2.49
25929	MK50250	4/6 digit alarm w/snooze clock chip	1.95	1.59



4-Digit Red LED Numeric Display

- PCB Mounted • Wide viewing angle
- Size: .300" RED • End stackable
- CC 4 digit multiplexed
- Size: 1.59"L x .225"W x .80"H



Part No.	Product No.	Description	1-9	10-99
33961	TSB3881	4-Digit Red Display	\$7.95	\$7.15



2-Digit Red LED Numeric Display

- PCB Mounted • .300" Digit RED
- CC 2 digit direct drive (no dec.)
- .75" solder leads • Wide viewing angle
- Size: .75"L x .875"W x .25"H



Part No.	Product No.	Description	1-9	10-99
27545	NSN373	2-Digit Red Display	\$6.69	\$4.49

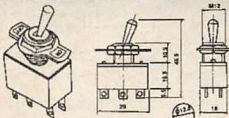


Figure 1

Full Size Toggle Switches

- Mounting hole diameter = 1/2"
- Full-size round lever
- Keyed plate indicates switch position
- Medium duty toggle switches (current range to 10 Amp)

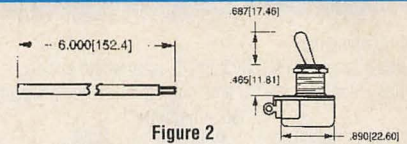


Figure 2

Part No.	Product No.	Figure	Type	Description	Contact Rating	Lead Type	Lever Type	1-9	10-99	100-999
76241	SWM128	1	SPST on-off	Panel mount with on/off plate	4A @ 125VAC & 2A @ 250VAC	Solder lugs	Round	\$1.19	\$.99	\$.79
76232	SWM125	2	SPST on-off	Panel mount with on/off plate	6A @ 125VAC & 3A @ 250VAC	6" lead wire	Round	1.75	1.49	1.25
76259	SWM126	1	DPDT on-on	Panel mount with on/on plate	5A @ 125VAC & 3A @ 250VAC	Solder lugs	Round	1.75	1.49	1.25

- Metal construction
- Mounting hole diameter = 1/4"
- Includes mounting hardware
- Wide selection of leads, levers, and contact ratings

- () momentary
- Pre-tinned leads
- Some include non-rotation ring
- SPST, SPDT and DPDT
- Mounting styles: panel mount, PC right angle horizontal and PC right angle vertical

Miniature Toggle Switches

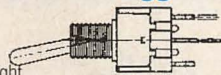


Figure 3

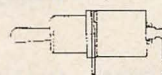


Figure 4

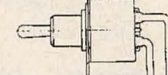


Figure 5

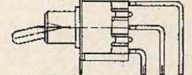


Figure 6

Part No.	Product No.	Figure	Type	Description	Contact Rating	Lead Type	Lever Type	1-9	10-99	100-999
76523	JMT113	3	SPST on-off	Panel mount	6A @ 125VAC & 3A @ 250VAC	Solder lugs	Round	\$1.09	\$.89	\$.75
21936	JMT123	3	SPDT on-on	Panel mount	5A @ 125VAC & 2A @ 250VAC	Solder lugs	Round	1.19	.99	.79
21910	JMT121	3	SPDT on-off-on	Panel mount	5A @ 125VAC & 2A @ 250VAC	Solder lugs	Round	1.19	.99	.79
22832	LFH123	3	SPDT on-on	Panel mount	5A @ 125VAC & 2A @ 250VAC	Solder lugs	Flat	1.95	1.75	1.49
75854	SWM132	3	SPDT on-on	Panel mount	6A @ 125VAC & 3A @ 250VAC	Solder lugs	Round	1.09	.89	.75
75889	SWM129	3	SPDT on-off-(on)	Panel mount	6A @ 125VAC & 3A @ 250VAC	Solder lugs	Round	1.49	1.29	1.09
26331	MPC123	3	SPDT on-on	PC mount	5A @ 125VAC & 2A @ 250VAC	PC	Round	1.19	.99	.79
26315	MPC121	3	SPDT on-off-on	PC mount	5A @ 125VAC & 2A @ 250VAC	PC	Round	1.19	.99	.79
75862	SWM141	3	SPDT on-on	PC mount	6A @ 125VAC & 3A @ 250VAC	PC	Round	1.19	.99	.79
71597	SWS503	6	SPDT on-on	PC right angle vertical mount	5A @ 125VAC & 2A @ 250VAC	PC right angle	Round	1.29	1.09	.89
71845	SWS502	4	SPDT on-on	PC right angle horizontal mount	5A @ 125VAC & 2A @ 250VAC	PC right angle	Round	1.29	1.15	.99
75871	SWM145	4	SPDT on-on	PC right angle horizontal mount	6A @ 125VAC & 3A @ 250VAC	PC right angle	Round	1.49	1.29	1.09
75897	SWM134	3	SPDT on-off-on	Panel mount	6A @ 125VAC & 3A @ 250VAC	Solder lugs	Round	1.29	1.15	.99
22841	LFH221	3	DPDT on-off-on	Panel mount	3A @ 125VAC & 1A @ 250VAC	Solder lugs	Flat	1.95	1.75	1.49
21979	JMT223	3	DPDT on-on	Panel mount	5A @ 125VAC & 2A @ 250VAC	Solder lugs	Round	1.29	1.09	.89
22859	LFH223	3	DPDT on-on	Panel mount	5A @ 125VAC & 2A @ 250VAC	Solder lugs	Flat	1.95	1.75	1.49
75900	SWM133	3	DPDT on-on	Panel mount	6A @ 125VAC & 3A @ 250VAC	Solder lugs	Round	1.29	1.09	.89
21952	JMT221	3	DPDT on-off-on	Panel mount	6A @ 125VAC & 3A @ 250VAC	Solder lugs	Round	1.49	1.29	1.09
75951	SWM130	3	DPDT on-off-(on)	Panel mount	6A @ 125VAC & 3A @ 250VAC	Solder lugs	Round	1.69	1.39	1.19
26366	MPC223	3	DPDT on-on	PC mount	5A @ 125VAC & 2A @ 250VAC	PC	Round	1.19	.99	.79
26358	MPC221	3	DPDT on-off-on	PC mount	5A @ 125VAC & 2A @ 250VAC	PC	Round	1.29	1.09	.89
75918	SWM143	3	DPDT on-on	PC mount	6A @ 125VAC & 3A @ 250VAC	PC	Round	1.29	1.09	.89
75926	SWM146	5	DPDT on-on	PC right angle horizontal mount	6A @ 125VAC & 3A @ 250VAC	PC right angle	Round	1.29	1.09	.89

Subminiature Toggle Switches

- Mounting hole diameter = 7/32"
- Includes mounting hardware
- Metal construction

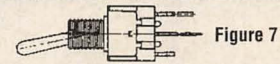


Figure 7

Part No.	Product No.	Figure	Type	Description	Contact Rating	Lead Type	Lever Type	1-9	10-99	100-999
72160	SW1501	7	SPST on-off	Panel mount	1.5A @ 250VAC	Solder lugs	Round	\$1.29	\$1.09	\$.89
75969	SWM136	7	SPDT on-on	Panel mount	3A @ 250VAC	Solder lugs	Round	1.49	1.29	1.09
72557	SW1502	7	SPDT on-off-on	Panel mount	1.5A @ 250VAC	Solder lugs	Round	1.49	1.29	1.09
75977	SWM137	7	DPDT on-on	Panel mount	3A @ 125VAC	Solder lugs	Round	1.69	1.39	1.19

Push Button Switches

- Alt = alternate action
- n.c. = normally closed
- n.o. = normally open
- () momentary



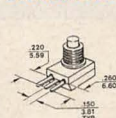
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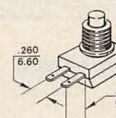
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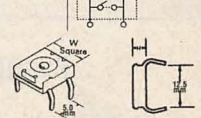
95193



95177



22200



101012

Part No.	Product No.	Mounting Hole Diameter	Type	Contact Rating	Lead Type	Description	1-9	10-99	100-999
71642	SWB210	7/32"	SPST n.o. (n.c.)	1.5A @ 120VAC	PC	Black button	\$1.49	\$1.29	\$1.09
72101	SWB222	7/32"	SPDT on-(on)	1.5A @ 120VAC	PC	Black button	1.49	1.29	1.09
26622	MS102	1/4"	SPST n.o. (n.c.)	3A @ 125VAC	Solder	Red button	.39	.35	.31
26649	MS103	1/4"	SPST n.c. (n.o.)	3A @ 125VAC	Solder	Black button	.49	.45	.41
28062	PB126	1/4"	SPDT on-(on)	2A @ 250VAC	Solder	Red button	2.95	2.75	2.49
78609	SW222	1/4"	SPDT on-on, Alt	3A @ 250VAC	Solder	Red button	2.95	2.75	2.49
95177	J3071	3/8"	SPST on-off, Alt	1A @ 110VAC	Quick Connect/Solder/Fast-on right angle leads	White button	.69	.59	.49
95193	J5121	3/8"	SPST on-off, Alt	1A @ 110VAC	Quick Connect/Solder/Fast-on vertical leads	White button	.89	.79	.69
22200	J1881	3/8"	SPST on-off, Alt	1A @ 110VAC	Pigtail	White button	1.39	1.19	.99
95185	J3072	3/8"	SPST n.o. (n.c.)	1A @ 110VAC	Quick Connect/Solder/Fast-on right angle leads	Red button	.69	.59	.49
95206	J5122	3/8"	SPST n.o. (n.c.)	1A @ 110VAC	Quick Connect/Solder/Fast-on vertical leads	Red button	.89	.79	.69
22218	J1882	3/8"	SPST n.o. (n.c.)	1A @ 110VAC	Pigtail	Red button	1.39	1.19	.99
101047	J3073	3/8"	SPST n.c. (n.o.)	3A @ 125VAC	Quick Connect/Solder/Fast-on right angle leads	Black button	.69	.59	.49
101063	J5123	3/8"	SPST n.c. (n.o.)	3A @ 125VAC	Quick Connect/Solder/Fast-on vertical leads	Black button	.89	.79	.69
101055	J1883	3/8"	SPST n.c. (n.o.)	3A @ 125VAC	Pigtail	Black button	1.39	1.19	.99
101012	PBS100	—	SPST n.o. (n.c.)	20mA @ 15VDC	PC	Recessed button, 12.5mm x 12.5mm	.23	.17	.15
101021	PBS200	—	SPST n.o. (n.c.)	20mA @ 15VDC	PC	Knob type button, 13 mm L x 13 mm W x 11mm H	.25	.19	.15

Miniature Push-Button Switches

- () momentary
- Small, snap-action switch that is ideal where savings in space and weight are important.
- High electrical capacity and long life. Size and shape meet design requirements for a variety of applications.



Figure 1

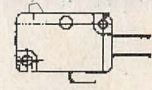
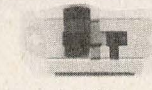


Figure 2

Part No.	Product No.	Mounting Hole Diameter	Type	Contact Rating	Figure	Lead Type	Description	1-9	10-99	100-999
98765	SWB2	—	SPDT on-(on)	7A @ 115/250VAC	1	Turret terminals	Black button	\$2.95	\$2.49	\$2.25
98781	V33088-D8	—	SPDT on-(on)	5A @ 125VAC	2	Quick connect	Red button	1.39	1.19	.99
98773	V373056-D8	—	SPDT on-(on)	5A @ 125VAC	2	Quick connect	Red button	1.39	1.19	.99

Slide Switches

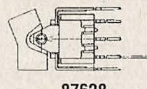
- UL Approved
- Black nylon actuator
- Two mounting flanges
- Metal Housing
- Phenolic insulated
- Top actuation



88188

Part No.	Product No.	Type	Description	Contact Rating	Lead Type	Size of Solder Eyelet	Size	Length of Leads	Length of Actuator	1-9	10-99	100-999
88188	SW152	SP3T on-on-on	Panel Mount	0.5A @ 125VAC	Solder lugs	.04" diameter	1.20" L x 0.41" W x 0.78" H	.24"	.45"	\$.49	\$.45	\$.35

- () momentary
- UL Approved
- Keyed plate indicates switch position
- 98757 includes mounting hardware

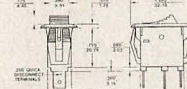


87628

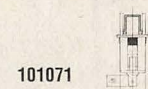


98757

Rocker Switches



101080



101071

Part No.	Product No.	Manufacturer	Type	Description	Contact Rating	Lead Type	Lever Type	1-9	10-99	100-999
87628	SWP125	JBT	SPDT on-off-(on)	PCB mount	2A @ 125VAC	PCB	Rocker	\$.99	\$.85	\$.69
98757	SWU21	C & K	DPDT on-on	Panel Mount	5A @ 125VAC & 2A @ 250VAC	Solder lugs	Rocker	1.95	1.75	1.49
101080	JR731	Judco	SPST on-off	Panel Mount	6A @ 125VAC & 10A @ 14VDC	Quick connect	Rocker	1.39	1.19	.99
101071	JR968	Judco	SPST on-off	Panel Mount	16A @ 125VAC & 10A @ 14VDC	Quick connect	Locking "Off" Rocker	2.95	2.49	2.25

Rotary Switches

- Mounting hole diameter = 3/8"
- Round shaft
- Compatible with Jameco rotary knobs 102787 & 104176 (see opposite page)
- Insulation resistance: 10mΩ (min.)
- Material: Solid brass bushings, solid aluminum shafts, plated frame, Phenolic contact wafer
- Non-shorting
- Washer and nut included

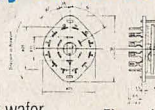


Figure 1

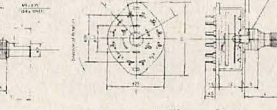


Figure 2

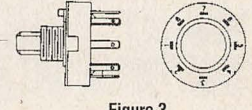
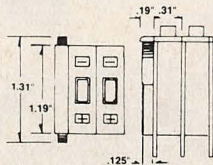


Figure 3

Part No.	Product No.	Figure	Poles	Positions	Description	Contact Rating	Contact Resistance	Lead Type	Shaft Size	1-9	10-99	100-999
101531	RS026	1	1	12	Panel mount	0.3A	30m-ohm	0.25" solder lugs	0.375" L X 0.25" D	\$1.49	\$1.25	\$1.09
101581	RS021	1	2	5	Panel mount	0.3A	30m-ohm	0.25" solder lugs	0.375" L X 0.25" D	1.49	1.25	1.09
101573	RS022	1	2	6	Panel mount	0.3A	30m-ohm	0.25" solder lugs	0.375" L X 0.25" D	1.49	1.25	1.09
101565	RS023	1	1	4	Panel mount	0.3A	30m-ohm	0.25" solder lugs	0.375" L X 0.25" D	1.49	1.25	1.09
101557	RS024	1	1	3	Panel mount	0.3A	30m-ohm	0.25" solder lugs	0.375" L X 0.25" D	1.49	1.25	1.09
101549	RS025	1	1	2	Panel mount	0.3A	30m-ohm	0.25" solder lugs	0.375" L X 0.25" D	1.49	1.25	1.09
87652	SWH203	3	1	3	Panel mount	12A @ 125VAC & 6A @ 250VAC	50m-ohm	Solder terminals	0.25" diameter	.99	.85	.69
87661	SWH204	3	1	4	Panel mount	12A @ 125VAC & 6A @ 250VAC	50m-ohm	Solder terminals	0.25" diameter	.99	.85	.69
101477	RS068	2	1	12	PCB mount	0.3A	30m-ohm	0.19" PCB pins	0.375" L X 0.25" D	1.39	1.19	.99
101522	RS062	2	2	5	PCB mount	0.3A	30m-ohm	0.19" PCB pins	0.375" L X 0.25" D	1.39	1.19	.99
101514	RS063	2	2	6	PCB mount	0.3A	30m-ohm	0.19" PCB pins	0.375" L X 0.25" D	1.39	1.19	.99
101506	RS064	2	3	4	PCB mount	0.3A	30m-ohm	0.19" PCB pins	0.375" L X 0.25" D	1.39	1.19	.99
101493	RS065	2	4	3	PCB mount	0.3A	30m-ohm	0.19" PCB pins	0.375" L X 0.25" D	1.39	1.19	.99
101485	RS066	2	6	2	PCB mount	0.3A	30m-ohm	0.19" PCB pins	0.375" L X 0.25" D	1.39	1.19	.99

Pushbutton Binary Switches

1/16" maximum panel thickness

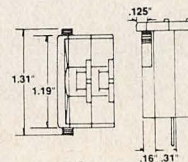


Front snap tab mounting

Part No.	Product No.	Description	1-9	10-99	100-999
26788	MX72	10-Position BCD only	\$5.25	\$4.75	\$4.25
26761	MXEP2	End plates for MX72 (pair)	.89	.75	.65

Thumbwheel Switches - Binary & Decimal

Break before make



Snap together

Part No.	Product No.	Description	1-9	10-99	100-999
26817	MX83	10-Position BCD only	\$4.75	\$3.95	\$3.25
26770	MXEP3	End plates for MX83 (pair)	.75	.59	.45
26825	MX85	Single pole 10 position decimal	4.95	4.19	3.49
26753	MXEP1	End plates for MX85 (pair)	.89	.75	.65

Pushbutton and Thumbwheel Switch Specifications:

- Switches snap together
- 0.15A @ 50VAC/28VDC
- Contact resistance: 100m-ohm max
- Operating temperature: -40°C to +85°C
- Break before make
- 1/16" maximum panel thickness
- Front snap tab mounting
- Gold Plated BE-CU alloy contacts
- 0.25" (MX83/85), 0.19" (MX72) Char. Ht.
- Continuous load: 1 Amp max.

Mercury Switches

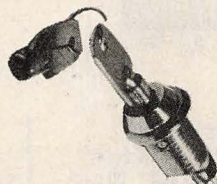
These switches are designed for electric appliances between 1.2V to 14V with the current from 30mA to 1Amp. There are 100,000 operations within the design range. The switches are operational at a gradient of at least 40 degrees. Switch resistance is 0.04 Ohm at 1.5V DC. Not recommended for the appliance of current under 20mA.

- Voltage range: 1.2V - 14V • Current range: 30mA - 1Amp
- MAX voltage 220V AC/DC (Current not to exceed 500mA) • MAX current: 3 AMP (Current not to exceed 6V)

Part No.	Product No.	Size D x L	Contact Configuration	Lead Length, Solder Type	1-9	10-99	100-999
100562	MS517	0.20" X 0.69"	2 Contacts 0.12" long	1.25"	\$1.29	\$1.09	\$.89
100571	MS618	0.25" X 0.73"	2 Contacts 0.10" long	1.25"	1.29	1.09	.89
100538	MS620LS	0.25" X 0.79"	1 Contact 0.15" long 1 Contact 0.27" long	1.25"	1.29	1.09	.89
100546	MS622	0.25" X 0.87"	2 Contacts 0.15" long	1.25"	1.29	1.09	.89
100554	HST10	0.38" X 0.95"	2 Contacts 0.25" long	0.18"	1.69	1.39	1.19

SPST Round Keylock Switches

- Key removable from 2 positions
- Rated: 3A/125VAC
- Includes mounting nuts
- 2 numbered keys included per switch
- Size: 22349 (1.75"L x 0.875"D)
85614 (0.75"L x 0.875"D)
- Mounting hole: 22349 (.75"Diameter x 0.625"Flat)
85614 (.5"Diameter x 0.438"Flat)



Part No.	Product No.	Description	1-9	10-99	100-999
22349	KS1B	Round keylock	\$5.49	\$4.95	\$4.49
85614	KS2B	Round mini keylock	4.95	4.49	3.95

Jameco Thermal Switch

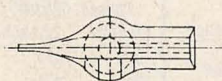
- SPST • Normally closed
- 100°C ± 5° • Solder lug terminals
- Switch rating: 12 VAC @ 2A • Size: .875"L x .312"W x .187"H

Part No.	Description	1-9	10-99	100-999
87610	Thermal switch	\$.49	\$.39	\$.29

NEW

Rotary Knobs

- Include brass insert and set screw for added strength and durability
- Fit 0.25" shafts
- Compatible with all Jameco rotary switches (see opposite page)
- Compatible with all Jameco 1/2 Watt and 2 Watt Linear Taper Potentiometers (see page 30)
- Size: 1.25"D x 0.65"H



102787



104176

Part No.	Product No.	Description	1-9	10-99	100-999
102787	KN903	Pointed Knob	\$.59	\$.49	\$.39
104176	KN900	Round Control Knob	.59	.49	.39

Surface Mount Dip Switches



- End stackable for standard 0.1" integrated circuit pitch
- Top tape sealed to withstand wave soldering board washing
- All materials are UL94V0 grade fire retardant plastics
- Twin contact designed to ensure stable contact
- Electrical contact rating: Switching: 24VDC @ 25mA
Nonswitching: 50VDC @ 100mA

- SPST

- Size: 0.35" Center Width; 0.05" Pad

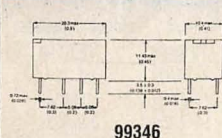
Part No.	Product No.	No. of Positions	Length	1-9	10-99	100-999
99725	SW104L	4	0.4"	\$1.39	\$1.19	\$.99
99733	SW106L	6	0.6"	1.49	1.29	1.09
99741	SW107L	7	0.7"	1.59	1.39	1.19
99750	SW108L	8	0.8"	1.69	1.49	1.29
99768	SW110L	10	1.0"	1.79	1.59	1.39
99776	SW112L	12	1.2"	1.89	1.69	1.49

Dip Switches - PCB Type

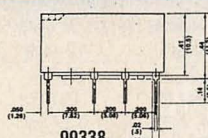
- Pre-tinned leads
- Switch contacts: SPST
- Molded construction
- Easy activation
- Use for easy configuration
- Fit in dip sockets
- Switches are numbered
- 50VDC @ 100mA

Part No.	Product No.	No. of Positions	Suggested Jameco Socket	1-9	10-99	100-999
38818	206-4	4	51570	\$.79	\$.69	\$.59
38826	206-6	6	37161	.89	.79	.69
38834	206-7	7	37161	.89	.79	.69
38842	206-8	8	37372	.89	.79	.69
101856	206-9	9	38113	.99	.89	.79
38797	206-10	10	38607	1.19	.99	.89
38800	206-12	12	39378	1.39	1.19	.99

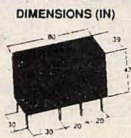
Relays



99346



99338

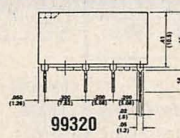


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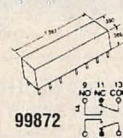
DIP Relays



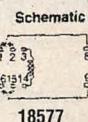
99901



99320

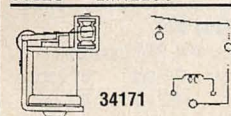


99872



18577

Part No.	Product No.	Coil (V)	Coil (Ohms)	Contact (V)	Contact (A)	Pins	Compatible w/ Jameco Socket	Style	1-9	10-99	100-999
18593	HB25	5VDC	43.4	125VAC/30VDC	1A/2A	8	67731	DPDT	\$4.95	\$4.49	\$3.95
99346	47SB05T	5VDC	36	125VAC/100VDC	2A	8	67731	DPDT	2.95	2.49	2.25
99872	G6A-434P-ST-US	5VDC	69	125VAC/30VDC	0.5A/2A	14	67731	4PDT	4.95	4.49	3.95
99338	LM12C00	6VDC	71	125VAC/100VDC	2A	8	67731	DPDT	2.95	2.49	2.25
99311	G2VN-234P-US	12VDC	470	110VAC/24VDC	0.3A/1.5A	8	67731	DPDT	2.95	2.49	2.25
18577	HB212	12VDC	250	125VAC/30VDC	1A/2A	8	67731	DPDT	4.95	4.49	3.95
99901	LX200DO	12VDC	720	125VAC/100VDC	2A	8	67731	DPDT	2.95	2.49	2.25
99320	LM12E00	24VDC	110	125VAC/100VDC	2A	8	67731	DPDT	2.95	2.49	2.25

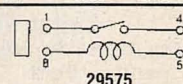


34171

- 34171:**
- Open-Frame construction
 - PC board terminals
 - Dielectric strength: 1,500 Vrms (between contact and coil)
 - Operating temperature: -40°C to +125°C

General Relays

- 29575:**
- Plastic enclosed construction
 - PC board terminals
 - Dielectric strength: 500 VDC (between contact and coil)
 - Operating temperature: -35°C to +85°C



29575

Part No.	Product No.	Coil (V)	Coil (Ohms)	Contact (V)	Contact (A)	Pins	Compatible w/ Jameco Socket	Style	1-9	10-99	100-999
29575	RRJ10317	12VDC	730	250VAC/150VDC	1A	4	78641	SPST	\$1.09	\$.89	\$.69
34171	T90N1D12-24	24VDC	660	240VAC/28VDC	30A/20A	5	—	SPST	3.95	3.49	3.25

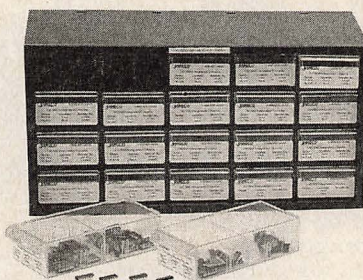
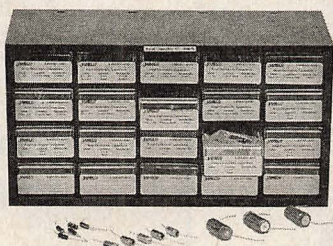
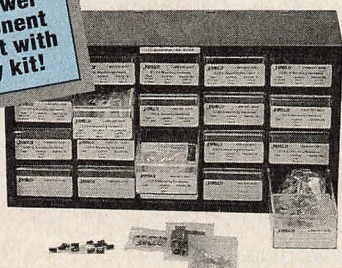
Includes the Most Popular Components with extra space for your Customized Expansion.

- Each kit includes a 20 drawer component cabinet (81701) *see page 60*
- Each kit is designed for your specific expansion.

- Includes identification labels for each drawer, with reorder numbers to replenish stock. Includes blank adhesive labels for empty drawers.
- Wall mountable cabinet

- Cabinet size: 6"D x 15" W x 7.88" H
- Drawer size: 5.5"L x 2.69" W x 1.5" H
- Case- ABS- Black

20 drawer component cabinet with every kit!



7400 Series IC Kit

Includes 330 pcs. (30 series) 7400 (TTL) Integrated Circuits

5 each	10 each	10 each	10 each	20 each
7483	7402	7420	7485	7400
7489	7405	7432	7486	7404
7490	7410	7447	7493	7406
74154	7411	7473	74121	7407
74192	7414	7475	74123	7408
74193	7417	7476	74125	7474

Part No.	Description	1-4	5-9
84953	330 pc. 7400 Series IC Kit	\$129.95	\$116.95

74LS00 Series IC Kit

Includes 420 pcs. (35 series) 74LS (TTL) Integrated Circuits

10 each	10 each	10 each	10 each	20 each
74LS05	74LS47	74LS93	74LS193	74LS00
74LS07	74LS48	74LS123	74LS240	74LS02
74LS10	74LS75	74LS125	74LS244	74LS04
74LS11	74LS76	74LS139	74LS245	74LS08
74LS14	74LS85	74LS151	74LS273	74LS32
74LS20	74LS86	74LS157	74LS373	74LS74
74LS30	74LS90	74LS174	74LS374	74LS138

Part No.	Description	1-4	5-9
84961	420 pc. 74LS Series IC Kit	\$139.95	\$125.95

CD4000 Series (CMOS) IC Kit

Includes 300 pcs. (25 series) CD 4000 Series Integrated Circuits

10 each	10 each	10 each	10 each	20 each
CD4015	CD4024	CD4051	CD4093	CD4001
CD4016	CD4027	CD4069	CD4511	CD4011
CD4017	CD4040	CD4070	CD4538	CD4013
CD4020	CD4046	CD4071	CD4543	CD4049
CD4023	CD4050	CD4081	CD4584	CD4066

Part No.	Description	1-4	5-9
84970	300 pc. CD4000 Series IC Kit	\$89.95	\$80.95

Linear Series IC Kit

Includes 385 pcs. (35 series) Linear Series Integrated Circuits

5 each	10 each	10 each	10 each	20 each
ULN2003A	LM317T	LM339N	LM747CN	7805T
LM335Z	78L05	LM311N	LF351N	7812T
NE5532	7815T	LM556N	LM301N	NE555V
TL074CN	7912T	LM1458N	LM386N-3	LM741CN
TL072CP	7905T	TL082CP	LM723CN	LM358N
LM385Z.12	LM337T	LF353N	LM1488N	LM324N
LM567V	7915T	LF356N	LM1489N	LM336Z

Part No.	Description	1-4	5-9
84988	385 pc. Linear IC Kit	\$179.95	\$161.95

Switch Kit

Includes 84 pcs. (15 types) Push Button, Dip & toggle switches

3 each	5 each	5 each	5 each	10 each
206-12	206-4	JMT223	MPC223	206-8
75900	76523	MPC121	LFH223	JMT123
JMT221	JMT121	MPC123	MS103	MS102

Part No.	Description	1-4	5-9
85059	84 pc. Assorted Switch Kit	\$79.95	\$71.95

Low Profile IC Socket Kit

Includes 300 pcs. (10 types) Soldertail (Tin) IC Sockets

10 each	20 each	20 each	50 each	50 each
22LP	18LP	28LP	8LP	16LP
24SLP	24LP	40LP	14LP	20LP

Part No.	Description	1-4	5-9
85075	300 pc. LP IC Socket Kit	\$39.95	\$35.95

Machine Tooled IC Socket Kit

Includes 82 pcs. (10 types) LP Machine Tooled (Tin) IC Sockets

3 each	3 each	5 each	10 each	20 each
18MLP	24SMLP	20MLP	8MLP	14MLP
24MLP	48MLP	40MLP	28MLP	16MLP

Part No.	Description	1-4	5-9
85083	82 pc. Machine tooled IC Socket Kit	\$49.95	\$44.95

Wire Wrap IC Socket/ID Kit

*Includes 120 pcs. (8 types) Level 2 (Gold)WW IC Sockets
(8 types) Plastic Socket wrap ID Markers*

5 each	5 each	10 each	10 each
18ID	28ID	8ID	16ID
18WW	28WW	8WW	16WW
24ID	40ID	14ID	20ID
24WW	40WW	14WW	20WW

Part No.	Description	1-4	5-9
85067	120 pc. WW IC Socket/ID Marker Kit	\$79.95	\$71.95

Carbon Film Resistor Kit

Includes 540 pcs. (30 values) 1/4watt 5% Resistors

10 each	10 each	10 each	10 each	50 each
10Ω	470Ω	3.3KΩ	33KΩ	100KΩ
47Ω	680Ω	5.1KΩ	47KΩ	220KΩ
150Ω	1.5KΩ	5.6KΩ	330KΩ	1KΩ
270Ω	2KΩ	15KΩ	470KΩ	4.7KΩ
330Ω	2.2KΩ	20KΩ	1MegΩ	10KΩ
390Ω	2.7KΩ	22KΩ	10MegΩ	100KΩ

Part No.	Description	1-4	5-9
81832	540 pc. 1/4w Resistor Kit	\$29.95	\$26.95

Single Turn Cermet Pot Kit

Includes 70 pcs. (10 values) 1/2watt Linear taper potentiometer

5 each	5 each	5 each	10 each	10 each
63P500	63P5K	63P500K	63P1K	63P50K
63P2K	63P20K	63P1Meg	63P10K	63P100K

Part No.	Description	1-4	5-9
85032	70 pc. Single turn Pot Kit	\$59.95	\$53.95

15 Turn Cermet Pot Kit

Includes 70 pcs. (10 values) 3/4watt Linear taper potentiometer

5 each	5 each	5 each	10 each	10 each
43P500	43P5K	43P500K	43P1K	43P50K
43P2K	43P20K	43P1Meg	43P10K	43P100K

Part No.	Description	1-4	5-9
85041	70 pc. 15 turn Pot Kit	\$59.95	\$53.95

LEDs & Mounting Hardware Kit

Includes 540 pcs. (15 types) LEDs and mounting hardware

10 each	10 each	30 each	30 each	100 each
NE2	XC5410	CTP280	XC209Y	LMH200
XC52RG	XC5491	RTP280	XC556G	XC209R
XC554R	XC57124R	XC209G	XC556Y	XC556R

Part No.	Description	1-4	5-9
84996	540 pc. LED & Hardware Kit	\$79.95	\$71.95

Radial Capacitor Kit

Includes 110 pcs. (10 values) Radial Electrolytic Capacitors

5 each	10 each	10 each	10 each	20 each
2200µf25v	4.7µf 50v	100µf 50v	470µf 25v	1µf 50v
3300µf25v	47µf 50v	220µf 25v	1000µf 16v	10µf 50v

Part No.	Description	1-4	5-9
81867	110 pc. Radial Capacitor Kit	\$39.95	\$35.95

Axial Capacitor Kit

Includes 110 pcs. (10 values) Axial Electrolytic Capacitors

5 each	10 each	10 each	10 each	20 each
1000µf25v	4.7µf 50v	47µf 50v	220µf 50v	1µf 50v
2200µf16v	22µf 50v	100µf 50v	470µf 50v	10µf 50v

Part No.	Description	1-4	5-9
81875	110 pc. Axial Capacitor Kit	\$39.95	\$35.95

Ceramic Capacitor Kit

Includes 320 pcs. (10 values) 50v Ceramic Disc Capacitors

20 each	20 each	20 each	50 each	50 each
10pf	47pf	.022µf	100pf	.01µf
22pf	470pf	.047µf	.001µf	.1µf

Part No.	Description	1-4	5-9
81859	320 pc. Ceramic Capacitor Kit	\$29.95	\$26.95

Mylar Capacitor Kit

Includes 160 pcs. (10 values) 100v ±10% Mylar Capacitors

10 each	10 each	10 each	20 each	30 each
.022µf	.047µf	.47µf	.001µf	.01µf
.033µf	.22µf	1µf	.0047µf	.1µf

Part No.	Description	1-4	5-9
81883	160 pc. Mylar Capacitor Kit	\$39.95	\$35.95

Tantalum Capacitor Kit

Includes 129 pcs. (12 values) ±20% Dipped Tantalum Capacitors

3 each	10 each	10 each	20 each
6.8µf 35v	22µf 35v	4.7µf 35v	1µf 35v
15µf 25v	.47µf 35v	10µf 35v	.1µf 35v
47µf 25v	3.3µf 35v	33µf 25v	2.2µf 35v

Part No.	Description	1-4	5-9
81841	129 pc. Tantalum Capacitor Kit	\$49.95	\$44.95

Diode Kit

Includes 270 pcs. (15 types) Zener, Switching and Silicon Rectifiers

10 each	10 each	10 each	10 each	50 each
1N270	1N3600	1N4733	1N5401	1N4001
1N751	1N4007	1N4735	1N5404	1N4004
1N753	C106B1	1N4742	1N5408	1N4148

Part No.	Description	1-4	5-9
82587	270 pc. Diode Kit	\$39.95	\$35.95

Transistor Kit

Includes 180 pcs. (15 types) NPN, PNP Transistors

5 each	5 each	10 each	10 each	30 each
TIP31A	MPF102	PN2907	MPSA13	PN2222
TIP41A	2N3055	2N2907A	2N4401	2N3904
TIP120	2N5951	2N2222A	2N4403	2N3906

Part No.	Description	1-4	5-9
82595	180 pc. Transistor Kit	\$49.95	\$44.95

JAMECO



All items beige in color, unless otherwise specified in description below.

P=Number of positions C=Number of contacts

Surface Mount and Wall Jacks

Part No.	Description	Western Electric Type	Fig.	1-9	10-99
75230	6P4C Single 3.25" round wall jack cover	625-B2-4	—	.....\$1.79	\$1.39
71431	6P4C Single wall jack plate	625B4-4	1	.....1.79	1.39
71538	6P6C Single wall jack plate		1	.....1.79	1.39
72400	8P8C Single wall jack plate		1	.....1.79	1.39
72320	6P4C(2) Double wall jack plate		2	.....2.49	1.99
72354	6P6C(2) Double wall jack plate		2	.....2.49	1.99
72362	8P8C(2) Double wall jack plate		2	.....2.95	2.49
72311	6P6C & 8P8C Double wall jack plate		2	.....2.49	1.99
72178	Coaxial (F Connector 75ohm) Single wall jack plate		—	.....1.95	1.59
103464	6P4C Adhesive surface mount jack RJ11	625A-4	5	.....1.95	1.59
71984	6P6C Adhesive surface mount jack RJ11	625BS-6	5	.....2.25	1.79
72186	8P4C Adhesive surface mount jack RJ45		5	.....2.49	1.99
71651	8P8C Adhesive surface mount jack RJ45	635	5	.....2.95	2.49

Line and Extension Cords

Part No.	Description	Fig.	1-9	10-99
32871	4P4C(2) Coiled line cord, 9' beige	4	.....\$1.25	\$.99
32811	4P4C(2) Coiled line cord, 20' clear gray	4	.....1.99	1.59
72071	4P4C(2) Coiled line cord, 20' beige	4	.....2.95	2.49
72240	6P4C(2) Straight line cord (RJ11) 25' grey	10	.....2.49	1.99
103472	6P4C(2) Straight line cord (RJ11) 25' beige	6	.....2.49	1.99
72573	6P4C Straight line cord with 4 spade terminals, 25' beige	—	.....2.49	1.99
72258	6P4C Straight duplex extension cord (1) 6P4C to duplex (2) 6P4C, 25' beige	8	.....2.95	2.49

Couplers and Adapters

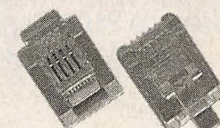
Part No.	Description	Fig.	1-9	10-99
71669	4P4C Modular "in-line" coupler	3	.....\$1.49	\$1.19
71757	6P6C Modular "in-line" coupler	3	.....1.49	1.19
72047	6P4C 4-Prong adapter jack converts old telephone 4-prong to new 6P4C (RJ11) style	9	.....1.99	1.59
72207	6P4C Male "T" adapter. Provides two jacks from one line. Male modular plug (6P4C), two female modular receptacles, 6P4C	7	.....1.49	1.19
75248	6P4C Female "T" adapter. Provides two jacks from one cable. Female jack (6P4C), two female modular receptacles (6P4C)	7	.....1.49	1.19

Modular Plugs

- Color: Clear
- 6 Micron goldplate contacts

P=Number of positions

C=Number of contacts



79290

Part No.	Description	Dim.	Type	Western Electric		
				1-9	10-99	100-999
103491	4P4C modular plug (RJ11)	.298	616	\$.29	\$.25	\$.19
79290	6P4C modular plug (RJ11)	.376	623	.29	.25	.19
79273	6P6C modular plug (RJ11)	.376	623	.29	.25	.19
79281	8P8C modular plug (RJ45)	.457	641	.49	.39	.29

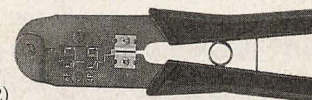
Modular Telephone Cable

- 28 AWG
- 7 x 43 stranded
- Color coded
- Flat modular cable
- PVC jacket
- Silver

Part No.	Product No.	No. of Conductors	10-99 ft	100ft	1000ft
103430	MTC4	4	.....\$.09	\$.06	\$.04
103448	MTC6	6	......13	.09	.06
103450	MTC8	8	......18	.12	.08

Jameco Modular Crimping Tool

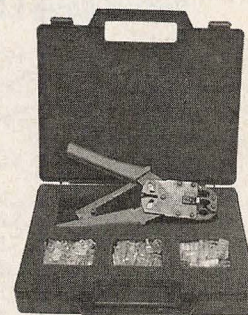
- 8" crimping tool
- Cuts • Strips • Crimps
- Crimps 4P and 6P plugs (4P4C, 4P2C, 6P2C, 6P4C (RJ11), 6P6C (RJ12)



Part No.	Product No.	Description	1-9	10-24
73091	HT246	Modular crimping tool	.....\$27.95	\$24.95

Jameco Modular Crimping Tool Set

- 8" Modular crimping tool
- Cuts • Strips • Crimps
- Crimps 4P, 6P and 8P plugs
- Includes: 90 ea. modular plugs, 40 ea. 4P4C modular plugs (616), 30 ea. 6P6C modular plugs (623), 20 ea. 8P8C modular plugs (641)
- Carrying case: blue hard plastic, 8" x 10.5" x 2". Weight: 5 lbs.



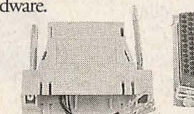
Part No.	Description	1-4	5-9
73496	Modular crimping tool set	.....\$109.95	\$99.95

RS232 Modular Jack Adapters

Change your RS232 port to an RJ11 or RJ45 modular jack. This will allow you to use modular phone cable rather than RS232 cable, thus simplifying networking applications. Comes complete with all necessary wiring and hardware.



66181



66237

Part No.	Product No.	Description	1-9	10-99
66181	G9P6	DE9 Male to RJ-11 (6P6C)	.....\$2.75	\$2.25
66190	G9P8	DE9 Male to RJ-45 (8P8C)	.....3.25	2.75
66202	G9S6	DE9 Female to RJ-11 (6P6C)	.....2.75	2.25
66211	G9S8	DE9 Female to RJ-45 (8P8C)	.....3.25	2.75
66229	G25P6	DB25 Male to RJ-11 (6P6C)	.....2.75	2.25
66237	G25P8	DB25 Male to RJ-45 (8P8C)	.....3.25	2.75
66245	G25S6	DB25 Female to RJ-11 (6P6C)	.....2.75	2.25
66253	G25S8	DB25 Female to RJ-45 (8P8C)	.....3.25	2.75

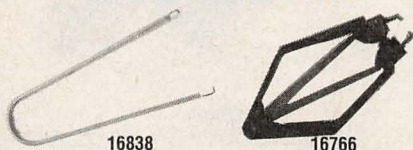
BNC Coax Network Balun

Converts BNC coaxial cable to twisted-pair wires with either a modular (RJ11) jack or 2 screw terminals. • 100Ω termination • Size: 2.75"Lx.75"Wx1"H



Part No.	Description	1-9	10-99
72637	BNC Coax network Balun	.....\$8.95	\$7.95

Jameco PLCC Surface Mount and DIP IC Extractors



- Both 4" L x 2" W
- Sturdy gripping jaw

Part No.	Product No.	Description	1-9	10-99	100-999
16838	EXD	DIP IC Extractor	\$1.49	\$1.25	
16766	ESM	PLCC Surface Mount IC Ext.	\$3.95	3.49	

Plastic IC Storage Tubes and Cable Rubber Rail Stops

29516: Thin tube (rail) fits 8, 14, 16

18, 20 and 22 pin integrated circuits

Length: 23.75"

29524: Wide tube (rail) fits 24, 28, 32,

40 and 48 pin integrated circuits

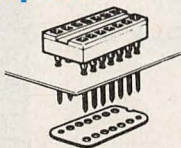
Length: 20"

29583: Rubber stops used to plug plastic rail ends.

Part No.	Product No.	Description	1-9	10-99	100-999
29516	RIC20	Thin Plastic Rail	\$.35	\$.29	\$.25
29524	RIC220	Wide Plastic Rail	.39	.35	.29
29583	RRS	Rubber Stop	.06	.05	.04

Socket Wrap I.D.

- Quick identification of pin numbers
- Slips onto socket before wrapping
- Can easily write location, part number, function

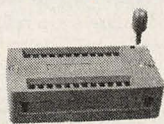


Part No.	Product No.	Pins	1-9	10-99	100-999
51561	8ID	8 pin	\$.29	\$.19	\$.17
37145	14ID	14 pin	.29	.19	.17
37356	16ID	16 pin	.29	.19	.17
38105	18ID	18 pin	.39	.35	.29
38586	20ID	20 pin	.39	.35	.29
39327	24ID	24 pin	.39	.35	.29
40299	28ID	28 pin	.42	.37	.32
41101	40ID	40 pin	.45	.39	.35

3M ZIF Sockets and Receptacles

ZIF Sockets

- Socket lead length: .11"
- Body height: .47"
- Gold pins and contacts
- Easy access lock and release lever



39191

Part No.	Product No.	Pins	1-9	10-99	100-999
39079	216-3340	16 pin	\$9.95	\$9.49	\$8.95
39175	220-3342	20 pin	10.95	10.49	9.95
39191	224-3344	24 pin	11.95	11.49	10.95
39239	228-3345	28 pin	12.95	12.49	11.95
39415	240-3346	40 pin	16.95	15.95	14.95

ZIF Receptacles

- Receptacle lead length: .62"
- Body height: .27"
- Gold contact pins
- Tin plate wire wrap tails

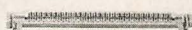


39204

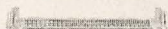
Part No.	Product No.	Pins	1-9	10-99	100-999
39087	216-3593	16 pin	\$11.95	\$10.95	\$9.95
39183	220-3595	20 pin	12.95	11.95	10.95
39204	224-3597	24 pin	12.95	11.95	10.95
39247	228-3598	28 pin	14.95	13.95	12.95
39423	240-3599	40 pin	18.95	17.95	16.95

SIMM and SIPP Sockets

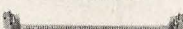
- Memory module sockets
- Locking tabs
- Keyed mounting posts



72653



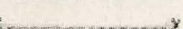
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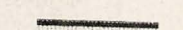
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72531



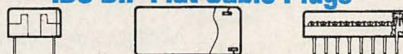
72426



78641

Part No.	Description	1-9	10-99	100-999
72653	Single x 30 pin, angled style SIMM	\$1.95	\$1.75	\$1.49
100301	Single x 30 pin, vertical style SIMM	1.49	1.25	.99
72389	Dual x 30 pin, angled style SIMM	3.25	2.75	2.25
72531	Dual x 30 pin, vertical style SIMM	3.25	2.75	2.25
72426	Single x 72 pin, vertical style SIMM	3.95	3.25	2.75
102200	Single x 10 pin SIPP	1.25	.99	.75
101282	Single x 20 pin SIPP	1.49	1.25	.99
78641	Single x 30 pin SIPP	1.95	1.75	1.49
104053	Single x 30 pin SIPP (wire wrap)	2.95	2.59	2.25

IDC DIP Flat Cable Plugs



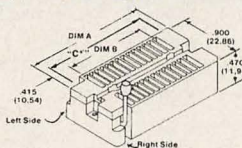
- Mates with standard 14, 16, 18, 20, 24 and 40 pin DIP sockets
- Uses 28AWG flat ribbon cable (pg. 49)
- Gold Plated contacts
- Plastic
- Current rating: 1 Amp
- Strain relief



42673

Part No.	Product No.	Contacts	1-9	10-99	100-999
42657	609-14	14	\$5.55	\$4.55	\$3.95
42673	609-16	16	.59	.49	.45
104088	609-18	18	.69	.59	.55
104096	609-20	20	.75	.65	.59
42690	609-24	24	.79	.69	.65
99670	609-28	28	.95	.85	.75
42711	609-40	40	1.09	.99	.89

ARIES Universal ZIF Socket

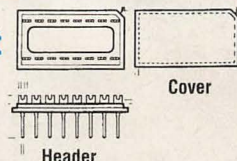


The new Aries universal test socket is a direct replacement for other test sockets currently on the market. It is competitively priced, 20% or more below comparable units and offers significant advantages over competitive models

- UL94V-0 rated body
- 1000mΩ insulation resistance
- 25,000 to 50,000 contact cycles
- Accepts .300" to .600 IC centers
- Solder directly to PCB or plug directly into IC socket
- Screw mounting holes for more reliable operation
- Available in 5 popular sizes

Part No.	Product No.	Pins	1-9	10-99	100-999
103991	24-6554-10	24 pin	\$6.49	\$5.75	\$4.95
104002	28-6554-10	28 pin	7.49	6.49	5.59
104011	32-6554-10	32 pin	8.49	7.39	6.29
104029	40-6554-10	40 pin	9.95	8.69	7.49
104037	48-6554-10	48 pin	11.75	10.25	8.75

DIP Component Headers and Header Covers



- Header cover: Flat corner to indicate pin 1
- Header plugs: Keyed corner to indicate pin 1
- U shaped pin termination for easy component attachment
- Lead length: .188" • Cover height: .375"

Header Plugs

Part No.	Product No.	Pins	1-9	10-99	100-999
104336	8HP	8 pin, plug	\$.59	\$.55	\$.49
37129	14HP	14 pin, plug	.65	.59	.55
37330	16HP	16 pin, plug	.79	.69	.59
65621	18HP	18 pin, plug	.85	.75	.69
38578	20HP	20 pin, plug	.95	.85	.79
39319	24HP	24 pin, plug	1.29	1.15	.99
40281	28HP	28 pin, plug	1.49	1.29	1.15
104344	40HP	40 pin, plug	1.95	1.75	1.49

Header Covers

Part No.	Product No.	Pins	1-9	10-99	100-999
104352	8HC	8 pin, cover	\$.29	\$.25	\$.19
37111	14HC	14 pin, cover	.35	.29	.25
37321	16HC	16 pin, cover	.35	.29	.25
65613	18HC	18 pin, cover	.35	.29	.25
38560	20HC	20 pin, cover	.39	.32	.29
39301	24HC	24 pin, cover	.39	.35	.29
40272	28HC	28 pin, cover	.45	.39	.35
104361	40HC	40 pin, cover	.55	.49	.45

ARIES Low Profile ZIF

A complete line of sizes: 24, 28, and 40 pin, low profile ZIF (zero insertion force) sockets provide a low cost solution for a test socket. It has a height of only .319" (8, 10), and even with the handle in open position measures just .554" (14, 07).

- Tin plated, spring temper beryllium copper contacts
- Cast metal cam
- Cam operation w/socket in normally open position
- Strong rigid cam provides uniform action over entire contact area
- Test point openings provide access to all pins
- Available in three popular pin counts

Part No.	Product No.	Pins	1-9	10-99	100-999
102736	24-526-10	24 pin	\$3.49	\$2.95	\$2.69
102744	28-526-10	28 pin	3.75	3.19	2.89
102752	40-526-10	40 pin	4.59	3.89	3.49

ARIES Adapter Sockets

Adapter sockets allow the use of .300" (7.62mm) center devices when the PCB is drilled on .600" (15.24mm) centers and vice-versa, giving the flexibility of using .600" (15.24mm) or .300" (7.62) center devices in the same application.

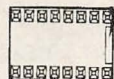
- Use .300" IC's in a .600" application
- Use .600" IC's in a .300" application
- Available in 24 and 28 pin configurations
- Machine tooled socket for reliable pin connections

Part No.	Product No.	Pins	Fig	1-9	10-99	100-999
102699	1106396-24	24 pin	1	\$6.95	\$5.95	\$4.95
102701	1106396-28	28 pin	1	7.95	6.95	5.95
102710	1107254-24	24 pin	2	6.95	5.95	4.95
102728	1107254-28	28 pin	2	7.95	6.95	5.95

We carry major manufacturers – call for pricing in quantities over 1000.

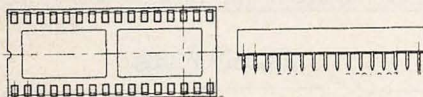
Soldertail Standard Gold Plated IC Sockets

- Lead length: .125"
- Body height: .281"



Part No.	Product No.	Pins	1-9	10-99	100-999
51633	8SG	8 pin	.....\$ .45	\$.35	\$.29
67900	10SG	10 pin	.....59	.49	.39
37209	14SG	14 pin	.....65	.55	.45
37428	16SG	16 pin	.....75	.65	.55
38640	20SG	20 pin	.....89	.79	.65
39360	24SG	24 pin	.....1.09	.95	.79
40344	28SG	28 pin	.....1.35	1.15	.95
41152	40SG	40 pin	.....1.59	1.39	1.19

Soldertail Low Profile Tin Plated IC Sockets



- Contact Plating: Gold 10µ" • Contact Current: 1A
- Two sided side wipe contact pins • Tin plated tails
- Contact resistance: less than 5mΩ
- Dielectric withstanding voltage: 300Vrms
- Insulation resistance: greater than 1000mΩ
- Contact: Beryllium Copper or Phosphor Bronze
- Insulator: Glass-filled polyester or glass-filled polyphenylene sulfide
- Sleeve Material: Brass
- Lead length: .125" • Body height: .156"

Part No.	Product No.	Pins	1-9	10-99	100-999
104070	6LP	6 pin	.....\$ .09	\$.07	\$.06
51570	8LP	8 pin	.....09	.08	.06
37161	14LP	14 pin	.....10	.08	.07
37372	16LP	16 pin	.....12	.10	.08
38113	18LP	18 pin	.....15	.12	.10
38607	20LP	20 pin	.....15	.12	.10
39132	22LP	22 pin	.....15	.12	.10
39335	24LP	24 pin	.....18	.14	.13
39378	24SLP	24 pin (slim line)	.....39	.35	.29
40301	28LP	28 pin	.....22	.15	.14
77702	32LP	32 pin	.....24	.18	.16
41110	40LP	40 pin	.....25	.19	.17
104061	64LP	64 pin	.....1.25	1.15	.99

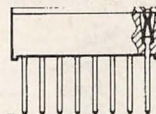
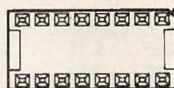
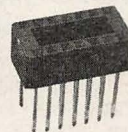
PLCC Sockets



- Plastic lead chip carrier • Contact current 1A
- Contact resistance: less than 5mΩ
- Dielectric withstanding voltage: 300Vrms
- Insulation resistance: greater than 1000mΩ
- Insulator: glass-filled polyphenylene sulfide
- Solder tail allows through-hole board patterns in 0.100" grid
- Accepts JEDEC type "A" plastic leaded chip carriers on 0.50" centers
- Gold contacts • Tin plated
- Lead length: .125" • Body height: .375"

Part No.	Description	1-9	10-99	100-999
71263	28 pins	.....\$1.29	\$1.19	\$1.09
71811	32 pins	.....1.49	1.25	.99
71618	44 pins	.....1.65	1.49	1.25
72442	52 pins	.....1.95	1.75	1.35
71968	68 pins	.....2.15	1.89	1.59
71976	84 pins	.....2.29	1.95	1.75

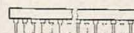
Wire Wrap (2 level) Gold and Tin Plated IC Sockets



- Contact Plating: Gold 10µ" or Tin 250µ"
- Contact Current: 1A
- Sleeve Material: Brass
- Contact resistance: less than 5mΩ
- Dielectric withstanding voltage: 300Vrms
- Insulation resistance: greater than 1000mΩ
- Contact: Beryllium Copper or Phosphor Bronze
- Insulator: Glass-filled polyester or glass-filled polyphenylene sulfide
- Lead length: .438"
- Body height: .281"
- WW = gold plated
- TWW = tin plated

Part No.	Product No.	Pins	1-9	10-99	100-999
51641	8WW	8 pin	.....\$ .65	\$.55	\$.49
37233	14WW	14 pin	.....75	.65	.59
37217	14TWW	14 pin	.....59	.49	.45
37479	16WW	16 pin	.....85	.75	.65
37436	16TWW	16 pin	.....65	.55	.49
38148	18WW	18 pin	.....1.09	.99	.85
87636	18TWW	18 pin	.....95	.85	.79
38674	20WW	20 pin	.....1.09	.99	.89
75379	20TWW	20 pin	.....89	.79	.75
39394	24WW	24 pin	.....1.29	1.19	1.09
75416	24TWW	24 pin	.....99	.89	.85
40352	28WW	28 pin	.....1.49	1.39	1.29
75424	28TWW	28 pin	.....1.29	1.19	1.09
41187	40WW	40 pin	.....1.69	1.59	1.49
41179	40TWW	40 pin	.....1.49	1.39	1.29

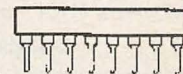
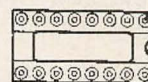
Pin Grid Array (PGA) Sockets



- Contact Plating: Gold 10µ" • Tin plated leads
- Contact Current: 3A
- Contact resistance: less than 5mΩ
- Dielectric withstanding voltage: 300Vrms
- Insulation resistance: greater than 1000mΩ
- Contact: Beryllium Copper or Phosphor Bronze
- Insulator: Glass-filled polyester or glass-filled polyphenylene sulfide
- Sleeve Material: Brass

Part No.	Description	1-9	10-99	100-999
43457	68 pins	.....\$2.95	\$2.49	\$1.95
72813	121 pins	.....4.95	3.95	3.49
72872	132 pins	.....5.95	4.95	3.95
72549	144 pins	.....6.25	5.25	4.25
72688	168 pins	.....6.95	5.95	4.95

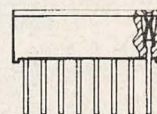
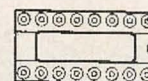
Machine Tooled Low Profile Tin Plated IC Sockets



- Contact Plating: Gold 10µ" • Tin plated leads
- Contact Current: 3A
- Contact resistance: less than 5mΩ
- Dielectric withstanding voltage: 300Vrms
- Insulation resistance: greater than 1000mΩ
- Contact: Beryllium Copper or Phosphor Bronze
- Insulator: Glass-filled polyester or glass-filled polyphenylene sulfide • Sleeve Material: Brass
- Lead length: .188" • Body height: .125"

Part No.	Product No.	Pins	1-9	10-99	100-999
51625	8MLP	8 pin	.....\$ .49	\$.45	\$.39
37196	14MLP	14 pin	.....59	.49	.45
37401	16MLP	16 pin	.....65	.55	.49
65584	18MLP	18 pin	.....75	.65	.59
38623	20MLP	20 pin	.....79	.69	.65
39351	24MLP	24 pin	.....85	.75	.69
39386	24SMLP	24 pin (slim line)	.....89	.79	.75
40328	28MLP	28 pin	.....99	.89	.85
41136	40MLP	40 pin	.....1.19	1.09	.99
42059	48MLP	48 pin	.....1.49	1.39	1.29

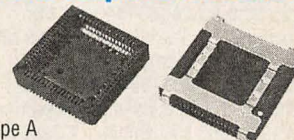
Machine Tooled Wire Wrap (2 level) Tin Plated IC Sockets



- Contact Plating: Gold 10µ" • Tin plated leads
- Contact Current: 3A
- Contact resistance: less than 5mΩ
- Dielectric withstanding voltage: 300Vrms
- Insulation resistance: greater than 1000mΩ
- Contact: Beryllium Copper or Phosphor Bronze
- Insulator: Glass-filled polyester or glass-filled polyphenylene sulfide • Sleeve Material: Brass
- Lead length: .438" • Body height: .125"

Part No.	Product No.	Pins	1-9	10-99	100-999
94473	8MSWW	8 pin	.....\$ .89	\$.79	\$.69
62050	14MSWW	14 pin	.....1.19	1.09	.99
37410	16MSWW	16 pin	.....1.29	1.19	1.09
94481	18MSWW	18 pin	.....1.69	1.55	1.39
38631	20MSWW	20 pin	.....1.79	1.65	1.49
94490	24MSWW	24 pin	.....1.95	1.85	1.69
40336	28MSWW	28 pin	.....2.29	2.09	1.95
94502	40MSWW	40 pin	.....2.95	2.79	2.69

Leadless/Plastic Chip Carrier Socket



For use with
68 pin JEDEC type A
leadless ceramic packages

Part No.	Product No.	Pins/Type	1-9	10-99	100-999
43449	68LCC	68/LCC	.....1.95	1.49	1.19

JAMECO® Grab Bags

- Assorted values
- Perfect for prototyping and educational projects
- Use our 20 drawer cabinet to store your components (Part number 81701 – see below)

Capacitors

Part No.	Product No.	Description	1-9	10-99
17857	GB100	100 ea. ceramic disc capacitors	\$3.95	\$3.59
17881	GB101	60 ea. mylar capacitors	3.95	3.59
17911	GB102	60 ea. electrolytic capacitors	4.95	4.49
17945	GB103	40 ea. tantalum (tubular and dipped) capacitors	4.95	4.49

Integrated Circuits

Part No.	Product No.	Description	1-9	10-99
17996	GB108	50 ea. TTL series - 7400, 74L, 74H, 74HC, etc.	\$4.95	\$4.49
18024	GB109	30 ea. linear series - LM301, 307, 741, 308, etc.	4.95	4.49
18251	GB170	50 ea. assorted 74LS and 74HCT TTL Series	4.95	4.49

LED and Displays

Part No.	Product No.	Description	1-9	10-99
18041	GB110	100 ea. asst. LEDs, XC556, XC209, etc.	\$6.95	\$6.25
18201	GB162	50 ea. 1/4 watt thumbwheel and stick displays	6.95	6.25
18323	GB186	500 ea. LEDs (same as 18041 above)	24.95	22.49

Potentiometers

Part No.	Product No.	Description	1-9	10-99
18075	GB113	30 ea. miniature trimmer pots (500Ω to 50K)	\$3.95	\$3.59
18278	GB174	50 ea. 1/4 watt thumbwheel pots-single turn (500Ω to 5Meg)	3.95	3.59
78967	GB135	500 ea. 1/2 watt single turn pots (1K to 50K)	3.95	3.59

Resistors

Part No.	Product No.	Description	1-9	10-99
18104	GB116	200 ea. 1/4 watt resistor asst.	\$3.95	\$3.59
18139	GB117	200 ea. 1/2 watt resistor asst.	3.95	3.59
18163	GB118	400 ea. 1/4 watt resistor asst.	4.95	4.49

Miscellaneous

Part No.	Product No.	Description	1-9	10-99
17961	GB107	100 ea. silicon diodes	\$3.95	\$3.59
18171	GB127	100 ea. transistors - plastic and power	4.95	4.49
18235	GB165	40 asst. toggle, rocker pushbutton, slide, rotary switches	5.95	5.39
18294	GB182	5 ea. toy motors (operating voltage 1.5 - 6.0V)	3.95	3.59

Jameco's Surprise Grab Bags

Part No.	Product No.	Description	1-9	10-99
18331	GB190	You'll be surprised! Worth 3 Times Its Price!!!	\$19.95	\$17.95
75483	GB195	Computer part grab bag	39.95	36.95

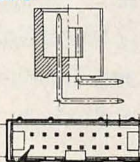
20 Drawer Component Cabinet

- Keeps all electronics components organized
- Includes 20 clear plastic drawers (83454) - pg. 60
- Includes 20 clear plastic dividers (85446) - pg. 60
- Includes 30 each adhesive I.D. labels-white (82456) - pg. 60
- Drawer can be divided into 4 sections
- Wall mountable cabinet • Case - ABS - Black
- Drawer size: 5.5"L x 2.69"W x 1.5"H
- Cabinet size: 6"D x 15"W x 7.88"H

Part No.	Product No.	Description	1-9	10-99
81701	CAB20	Complete component cabinet	\$19.95	\$17.95

Enclosed Right Angle Male Header Receptacles

- .1" Contact Center • Keying Slot
- Current Rating: 1 Amp
- Gold Plated Square Pins
- Temperature Rating: -55°C to +105°C
- Use with IDC socket connectors (pg. 43)



Part No.	Pins	1-9	10-99	100-999
71052	10 pins	\$.65	\$.49	\$.39
71175	14 pins	.79	.65	.49
71255	16 pins	.85	.69	.55
71626	26 pins	1.39	1.25	.85
71685	34 pins	1.59	1.29	.99
71765	40 pins	1.79	1.49	1.15
71941	50 pins	2.19	1.79	1.39
72055	60 pins	2.59	2.15	1.69
72291	64 pins	2.95	2.49	1.95

Straight Male Headers With Standard Latch

Double Row

- Gold Plated Square Pins
- Locking/Ejecting Ears
- .1" Contact Center • Keying Slot
- Mount vertical or horizontal
- Use with IDC socket connectors (pg. 43)

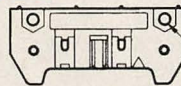


Part No.	Pins	1-9	10-99	100-999
71360	10 pins	\$.79	\$.69	\$.59
71503	14 pins	.89	.79	.69
71749	16 pins	.99	.89	.79
71829	20 pins	1.19	1.09	.89
71933	26 pins	1.39	1.19	.99
72039	34 pins	1.69	1.49	1.25
72135	40 pins	1.95	1.75	1.49
72215	50 pins	2.49	1.95	1.69
72231	60 pins	2.95	2.49	1.95

Right-Angle Male Headers With Standard Latch

Double Row

- Gold Plated Square Pins
- Locking/Ejecting Ears
- .1" Contact Center • Keying Slot
- Mount vertical or horizontal
- Use with IDC socket connectors (pg. 43)



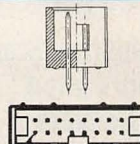
Part No.	Pins	1-9	10-99	100-999
71802	10 pins	\$.79	\$.69	\$.59
71861	14 pins	.89	.79	.69
72127	20 pins	1.25	1.09	.89
72274	26 pins	1.39	1.19	.99
72282	34 pins	1.95	1.69	1.25
72338	40 pins	2.49	1.95	1.49
72223	50 pins	2.75	2.29	1.69
72434	60 pins	2.95	2.75	2.49
72590	64 pins	3.75	3.19	2.69

Solder Lug Terminal Strips



Part No.	Product No.	Description	1-9	10-99	100-999
100731	SLT817	3 lugs/1.19"L	\$.25	\$.19	\$.15
100749	SLT818	4 lugs/1.58"L	.27	.21	.17
100757	SLT819	5 lugs/1.97"L	.29	.25	.19

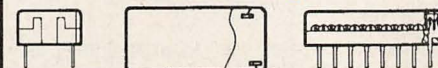
Straight Low-Profile Shrouded Male Headers



- Features: UL recognized, CSA certified, .025 square post mates with sockets on .100 x .100 grid
- Materials: Housing: glass filled polyester, gray, UL94V-0
- Contact: Phosphor bronze plated with 15µN sel gold
- Use with IDC socket connectors (pg. 43)

Part No.	Pins	1-9	10-99	100-999
67811	10 pins	\$.29	\$.25	\$.19
68136	14 pins	.39	.29	.25
68179	16 pins	.45	.35	.29
68291	20 pins	.55	.45	.35
68371	26 pins	.69	.55	.45
68582	34 pins	.89	.69	.59
68662	40 pins	1.09	.85	.69
68785	50 pins	1.29	1.05	.89
68849	60 pins	1.49	1.25	1.09

IDC DIP Plugs



- Mates with standard 14, 16, 24, 28 and 40 pin DIP sockets with .1" spacing
- IDC mass termination
- Gold plated contacts • Plastic
- Current rating: 1 Amp • Strain relief
- Use 28 AWG flat ribbon cable (pg. 49)

Part No.	Product No.	Contacts	1-9	10-99	100-999
42657	609-14	14	\$.55	\$.49	\$.45
42673	609-16	16	.59	.55	.49
42690	609-24	24	.85	.75	.69
99670	609-28	28	.99	.89	.79
42711	609-40	40	1.19	1.09	.95

IDC Plug Connectors

Double Row



- Shrouded header • Without mounting ears • Strain relief
- Plastic • Current rating: 1 Amp
- Contact Material: phosphor bronze
- .100" x .100" grid
- Use with IDC socket connectors (pg. 43)

Part No.	Product No.	Contacts	1-9	10-99	100-999
29153	P20	20	\$1.99	\$1.75	\$1.49
29161	P26	26	2.49	2.25	1.95
29170	P34	34	2.69	2.35	2.09
29188	P40	40	2.95	2.75	2.49
29217	P50	50	3.95	3.49	2.95

IDC Crimping Tool (Insulation Displacement Connector)

- Crimp insulation displacement connectors
- Crimping distance 27.5 mm to 6 mm (with attachment)
- Cushioned red handles • 9.15"L x 3"W
- Use for IDC socket connectors (pg. 43)



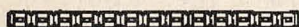
Part No.	Description	1-9	10-99
73251	IDC Crimp tool	\$14.95	\$13.49

We carry major manufacturers – call for pricing in quantities over 1000.

Male Headers

- Snap apart to fit your application
- Solder to PC boards for instant plug-in access via shorting blocks (below)
- .025" square posts on a .100" x .100" matrix
- Use with crimp connector housing (right)
- Contact Material: Phosphor Bronze
- Contact Area: 15µ Ingold
- Current Rating: 1 Amp
- Temperature Range: -55°C to +120°C
- Insulation Material: Glass filled polyester

Straight Male Headers Single Row

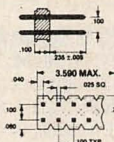


Part No.	Product No.	Contacts	1-9	10-99	100-999
103392	SMH10	10	\$.29	\$.25	\$.19
103384	SMH13	13	.35	.29	.25
103376	SMH17	17	.45	.35	.29
103368	SMH20	20	.55	.39	.35
103350	SMH25	25	.65	.55	.45
103341	SMH30	30	.75	.65	.55
68339	SMH36	36	.85	.69	.59

Double Row



53479



Part No.	Product No.	Contacts	1-9	10-99	100-999
67820	923810R	10	\$.35	\$.25	\$.19
53479	923862R	20	.49	.39	.35
53495	923863R	26	.59	.49	.45
53516	923864R	34	.79	.65	.55
53532	923865R	40	.99	.75	.59
53559	923866R	50	1.19	.95	.79
68574	923860R	60	1.29	1.15	.99
103405	923772R	72	1.49	1.25	1.05

Right Angle Male Headers Single Row

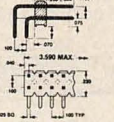


Part No.	Product No.	Contacts	1-9	10-99	100-999
103333	RMH10	10	\$.39	\$.35	\$.29
103325	RMH13	13	.45	.39	.35
103317	RMH17	17	.49	.45	.39
103296	RMH20	20	.59	.49	.45
103309	RMH25	25	.75	.65	.55
103288	RMH30	30	.85	.69	.59
103270	RMH36	36	.95	.79	.69

Double Row



53575



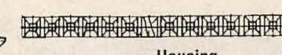
Part No.	Product No.	Contacts	1-9	10-99	100-999
53575	923872R	20	\$.69	\$.59	\$.49
53583	923873R	26	.79	.69	.59
53591	923874R	34	.89	.75	.65
53604	923875R	40	1.09	.89	.79
53612	923876R	50	1.29	1.15	.99
103413	923672R	72	1.59	1.35	1.15

Non-Polarized Crimp Connector Housing and Pins

- Mates with .025" square post on pattern of .100" centers (male headers, see pages 42 & 43)
- Current rating: 1 Amp
- Temperature rating: -55°C to +105°C
- Plastic



Pins



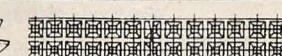
NEW

Single Row

Part No.	Product No.	Contacts	1-9	10-99	100-999
100811	SCH2	2	\$.29	\$.25	\$.19
100802	SCH4	4	.35	.29	.25
103211	SCH6	6	.39	.35	.29
103202	SCH8	8	.45	.39	.35
103190	SCH10	10	.55	.49	.45
103181	SCH20	20	.99	.79	.65
103157	SCH36	36	1.09	.89	.75
100765	FCH1	Female gold pin	.13	.11	.09



Pins



Double Row

Part No.	Product No.	Contacts	1-9	10-99	100-999
103261	DCH4	4	\$.49	\$.39	\$.29
103253	DCH8	8	.59	.49	.39
103245	DCH12	12	.69	.59	.49
103237	DCH16	16	.89	.75	.59
103229	DCH20	20	1.09	.89	.75
100765	FCH1	Female gold pin	.13	.11	.09

IDC Socket Connectors

32563



- Mates with 2 rows of .025" sq. or dia. posts on patterns of .100" centers (male headers, see pages 42 & 43)
- (100386): 2mm pin spacing; use P/N 100781 2mm ribbon cable
- Industry standard IDC socket • Plastic • Strain relief
- Current rating: 1 Amp. • Temperature rating: -55°C to +105°C

Double Row

Part No.	Product No.	Contacts	1-9	10-99	100-999
32491	S10	10	\$.49	\$.35	\$.29
32521	S20	20	.59	.45	.39
32563	S26	26	.69	.55	.45
32643	S34	34	.75	.65	.49
32678	S40	40	1.05	.89	.75
100386	IDC440	44	2.95	2.49	1.95
32707	S50	50	1.09	.99	.85
32758	S60	60	1.29	1.19	1.05

Shorting Blocks Mate with Male Headers (left)



19140

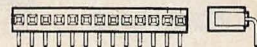
- Shorting socket jumper to address or code strip line plugs (left)
- Mates to .025" square posts on .100" centers
- 22023 and 19140 are functionally the same except that 22023 is open on top to allow for a test point

Part No.	Product No.	Description	1-9	10-99	100-999
22023	JOPEN	Shorting blocks	\$.17	\$.14	\$.12
19140	JCLOSED	Shorting blocks	.17	.14	.12

See page 49 for 28 AWG flat ribbon cable!

Female Header Receptacles

Single row right angle-side entry



Double row right angle-side entry



Single row vertical mount-top entry



• Gold Plated Contacts • 1" Contact Center

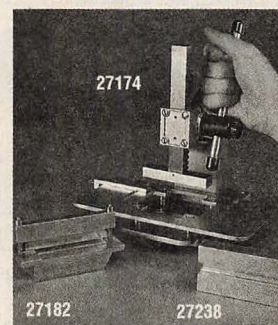
Right-Angle Mount (Side Entry)

Part No.	Contacts	Type	1-9	10-99	100-999
70703	4	single row	\$.39	\$.29	\$.19
70746	8	single row	.69	.49	.39
70842	10	double row	.79	.59	.49
70957	14	double row	.89	.69	.59
71159	20	double row	1.49	1.29	.99

Vertical Mount (Top Entry)

Part No.	Contacts	Type	1-9	10-99	100-999
70640	4	single row	\$.39	\$.29	\$.19
70754	8	single row	.69	.49	.39
70851	10	double row	.79	.59	.49
70720	16	double row	.89	.69	.59
70826	20	double row	1.49	1.29	.99

PanaVise IDC Bench Press and Accessories



The model M505 manual IDC Assembly Bench Press is a rugged, practical assembly tool designed for low to medium volume, mass termination of various IDC connectors on flat ribbon cable.

- Includes assembly base and standard platen
- Base plate and platen can be rotated 90° for maximum versatility
- Base plates and cutting accessories are easily changed without tools
- Cable guide insures that cable and connector meet at right angles for perfect connections every time
- Size: 10"W x 8.75"D x 9"H
- Weight: 5.5 lbs.

Part No.	Product No.	Description	1-4	5-9
27174	M505	IDC Bench Press	\$149.95	\$139.95

M505 Accessories

Part No.	Product No.	Description	1-4	5-9
27182	M507	Flat ribbon cable cutter for (171 Series)	\$64.95	\$58.49
27203	M510	Female socket connector installation base plate (S Series)	27.95	24.95
27211	M511	Card edge connector installation base plate (C Series)	27.95	24.95
27220	M512	DIP plug connector installation base plate (609 Series)	27.95	24.95
27238	M513	D-Sub connector installation base plate (CD Series)	27.95	24.95

Standard DIN Male Plugs

w/Strain Relief



15886

Part No.	Product No.	Pins	1-9	10-99	100-999
15878	DINP5	5	\$.49	\$.45	\$.39
15886	DINP6	6	.55	.49	.43
15894	DINP8	8	.65	.59	.49

Standard DIN Female Sockets

• Metal Body • Panel mount



15851

Part No.	Product No.	Socket	1-9	10-99	100-999
15843	DINJ5	5	\$.59	\$.55	\$.45
15851	DINJ6	6	.69	.63	.47
15860	DINJ8	8	.79	.65	.49

8-Pin Mini DIN Female Socket

- Used by IBM in the PS/2 series and Apple's Macintosh computers
- Panel mount
- 51617: Mounting holes - 1.375" centers
- 67248: Mounting holes - .75" centers



51617

Part No.	Product No.	Description	1-9	10-99	100-999
51617	8MDJ	Metal Base	\$.149	\$1.25	\$1.09
67248	8MDJCD	Plastic Base	1.25	.99	.79

Standard Right Angle DIN Female Sockets

• Plastic Body
• PC Mount Contacts

29399

Part No.	Product No.	Socket	1-9	10-99	100-999
29399	RD5	5	\$.89	\$.75	\$.59
94633	RD6	6	1.19	.99	.79
29410	RD8	8	1.39	1.19	.99

IDC Card Edge Connectors



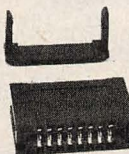
14824

- Mates with double-sided 1/16" PC board with contact fingers on .100" centers
- Mass termination
- Current rating: 1 Amp.
- No soldering
- Gold contacts
- Plastic

Part No.	Product No.	Contacts	1-9	10-99	100-999
14787	C20	20	\$.49	\$.45	\$.39
14808	C26	26	.69	.59	.49
14824	C34	34	.79	.69	.59
14867	C40	40	1.19	.99	.89
14875	C50	50	1.29	1.19	1.09

IDC Keyed Card Edge Connectors

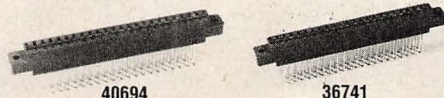
- Keyed between pins 3/4 and 5/6
- Gold contacts
- Strain relief included
- Numbered end pins
- Mass termination
- 3 flat sides for labeling
- .1" Contact Centers
- .080 max. card thickness



Part No.	Product No.	Contacts	1-9	10-99	100-999
71028	KC10	10	\$.45	\$.41	\$.39
71221	KC16	16	.49	.45	.43
71423	KC20	20	.55	.49	.45
71491	KC26	26	.75	.69	.65
71773	KC34	34	.89	.79	.69
71853	KC40	40	1.09	.99	.89
71888	KC50	50	1.29	1.09	.99
71731	KC60	60	1.95	1.75	1.49

Card Edge Connectors

Fits all PC Boards .054" to .070" thick



40694

36741

- Solder Eyelet: .140" Spacing -

Part No.	Position	Contacts	Contact Centers	1-9	10-99	100-999
36695	12/24	Gold	.156	\$.249	\$1.95	\$1.49
37276	15/30	Gold	.156	2.95	2.49	1.95
39116	22/44	Gold	.156	3.49	2.95	2.49
40715	31/62	Tin	.100	3.95	3.75	3.49

- Solder Tail: .200" Spacing -

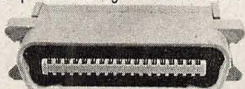
Part No.	Position	Contacts	Contact Centers	1-9	10-99	100-999
39108	22/44	Gold	.156	2.95	2.75	2.49
40707	31/62	Tin (Pulls)	.100	1.95	1.49	1.19
40694	31/62	Tin	.100	3.49	2.95	2.49
42091	49/98	Tin (AT)	.100	3.49	3.25	2.95

- Wire Wrap: .200" Spacing -

Part No.	Position	Contacts	Contact Centers	1-9	10-99	100-999
36741	22/44	Tin	.100	1.95	1.49	1.19

IDC Centronics Connectors

- Contact material: phosphor bronze
- Plastic
- Current rating: 1 Amp.
- Temperature rating: -55°C to +105°C



13848

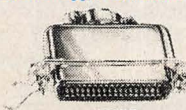
Part No.	Product No.	Contacts	Type	1-9	10-99	100-999
13813	CEN24M	24	Male	\$.175	\$1.49	\$1.25
13805	CEN24F	24	Female	1.75	1.49	1.25
13848	CEN36M	36	Male	1.95	1.75	1.49
13821	CEN36F	36	Female	2.25	1.95	1.75

Centronics Parallel Interface Connectors

Metal Body and Shell, Solder Type Contacts



42382



42403

Part No.	Product No.	Description	1-9	10-99	100-999
42382	57-30360	36-Contact Male	\$2.49	\$2.25	\$1.65
42403	57-60360	36-Contact Female	2.95	2.49	1.75
72012	57-30500	50-Contact Male	3.25	2.75	2.25
71714	57-60500	50-Contact Female	3.49	2.95	2.49

PCB Right Angle Parallel Interface Connectors

- Metal body • Solder type contacts • PC Mount
- 2 row separation: 0.590" • Pin separation: 0.1"



72151



71950

Part No.	Description	1-9	10-99	100-999
71950	36-Contact Male	\$.295	\$2.75	\$2.49
72151	36-Contact Female	2.79	2.59	2.39
72506	50-Contact Male	3.95	3.75	3.49
72080	50-Contact Female	3.79	3.59	3.39

Right Angle Cable Mount Parallel Interface

- Metal body
- Solder type contacts
- Plastic housing
- Gold contact
- Plastic strain relief
- Solder cup



71917



71896

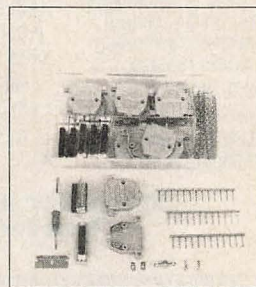
Part No.	Description	1-9	10-99	100-999
71917	36-Contact Male	\$.259	\$2.39	\$2.19
71896	36-Contact Female	2.75	2.59	2.39

**REDUCED
PRICING**

D-Subminiature (Crimp type) Connector Kits

All kits include:

- 4" Insertion (white)/extraction tool (red)
- 2 razor blades
- Plastic Flip top storage box (5 moveable compartments 8.375" L x 4.625" W x 1.5" H)



Save \$5.00 - \$10.00 off individually priced components

DB25P Connector Kit (10)

Kit also includes:

- 10 DB25 male connector housings
- 10 DB25 plastic hoods and hardware (60 pcs.)
- 250 gold male crimping pins

Part No.	Description	Price
73331	DB25P Connector Kit (10)	\$14.95

DB25S/P Connector Kit (10)

Kit also includes:

- 5 DB25 male connector housings
- 5 DB25 female connector housings
- 10 DB25 plastic hoods and hardware (120 pcs.)
- 125 gold female and 125 gold male crimping pins

Part No.	Description	Price
73349	DB25S/P Connector Kit (10)	\$14.95

DE9S/P Connector Kit (20)

Kit also includes:

- 10 DB9 male connector housings
- 10 DB9 female connector housings
- 20 DB9 plastic hoods and hardware (240 pcs.)
- 90 gold male and 90 gold female crimping pins

Part No.	Description	Price
73373	DE9S/P Connector Kit (20)	\$14.95

DB25P/Metal Hood Connector Kit (10)

Kit also includes:

- 10 DB25 male connectors housings
- 10 DB25 metal hoods and hardware (60 pcs.)
- 250 gold male crimping pins

Part No.	Description	Price
73411	DB25P/Metal Hood Connector Kit (10)	\$24.95

DB25S/P Connector Kit (10)

Kit also includes:

- 5 DB25 male connectors housings
- 5 DB25 female connectors housings
- 10 DB25 metal hoods and hardware (60 pcs.)
- 125 gold male and 125 gold female crimping pins

Part No.	Description	Price
73429	DB25S/P Connector Kit (10)	\$24.95

DB9S/P Metal Hood Connector Kit (16)

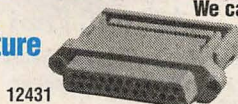
Kit also includes:

- 8 DB9 male connectors housings
- 8 DB9 female connectors housings
- 16 DB9 metal hoods and hardware (128 pcs.)
- 72 gold male and 72 gold female crimping pins

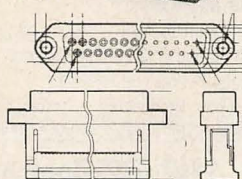
Part No.	Description	Price
73437	DB9S/P Metal Hood Connector Kit (16)	\$24.95

We carry major manufacturers – call for pricing in quantities over 1000.

IDC D-Subminiature Connectors



- Contact material: phosphor bronze
- Electrical rating: 1 Amp
- Temperature range: -55°C to +120°C
- Plastic
- Strain Relief



Part No.	Product No.	Contacts	Type	1-9	10-99	100-999
12503	CDE9P	9	Male	\$1.19	\$1.09	\$.99
12520	CDE9S	9	Female	1.25	1.15	1.05
12298	CDA15P	15	Male	1.49	1.35	1.19
12319	CDA15S	15	Female	1.59	1.39	1.25
12335	CDB25P	25	Male	1.59	1.39	1.25
12431	CDB25S	25	Female	1.65	1.45	1.29
12466	CDC37P	37	Male	2.75	2.49	2.25
12482	CDC37S	37	Female	2.95	2.65	2.39

IDC Crimping Tool (Insulation Displacement Connector)

- Crimp insulation displacement connectors
- Crimping distance 27.5 mm to 6 mm (with attachment)
- Cushioned red handles • 9.15"L x 3"W
- Use for IDC socket connectors (pg. 43)



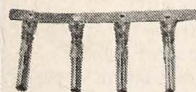
Part No.	Description	1-9	10-99
73251	IDC Crimp tool	\$14.95	\$13.49

D-Subminiature Housing Crimp Type Connectors and Pins

- Connectors: Metal shell; Removable crimp male/female pin
- Male/Female pins: Gold plated contact; Tinned crimp tail
- Insertion/Extraction Tool: Red/white plastic body; Exchangable tips



38771

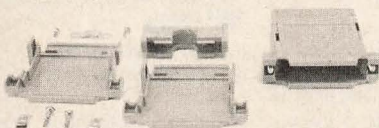

43369
(Fits all housings)


19094

Part No.	Product No.	Description	1-9	10-99	100-999
73189	205204M	DE9 Male connector housing	\$.59	\$.49	\$.45
73197	205203F	DE9 Female connector housing	.59	.49	.45
73200	205206M	DA15 Male connector housing	.69	.55	.45
73218	205205F	DA15 Female connector housing	.75	.65	.55
38789	205208M	DB25 Male connector housing	.69	.55	.45
38771	205207F	DB25 Female connector housing	.75	.65	.55
43377	66506	Male crimp pins for all above	.09	.07	.05
43369	66504	Female crimp pins for all above	.10	.08	.06
19094	ITS25	Insertion/Extraction Tool for above Pins	2.95	2.49	1.95

25-Pin Dual Plastic Hood

A two-piece plastic housing designed for custom applications requiring the use of two D-Sub connectors. Applications include custom jumper boxes and interconnects. Connectors are not included.



Part No.	Product No.	Type	1-9	10-99	100-999
34091	TT25	25-Pin, Plastic Dual	\$.99	\$.75	\$.59

D-Subminiature Connectors D-Sub Solder Cup

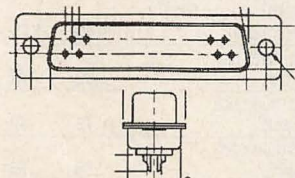
- Compatible with 24AWG Cable
- Solder cups for 22 AWG wire
- Metal shell
- Male connectors with grounding tangs



15114

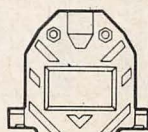


15157

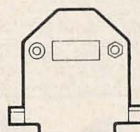


Part No.	Product No.	Contacts	Gender	1-9	10-99	100-999
15747	DE9P	9	M	\$.43	\$.35	\$.29
15771	DE9S	9	F	.47	.39	.35
15034	DA15P	15	M	.53	.45	.39
15051	DA15S	15	F	.57	.49	.45
15114	DB25P	25	M	.63	.55	.53
15157	DB25S	25	F	.73	.63	.53
15472	DC37P	37	M	1.15	.95	.85
15499	DC37S	37	F	1.25	.99	.89
15675	DD50P	50	M	1.79	1.49	1.35
15691	DD50S	50	F	2.25	1.69	1.49

D-Subminiature Hoods and Hardware



25603



15085

For Use with D-Sub Solder Cup and Housing Style Connectors

"D" Series:	Plastic Hood with Strain Relief (gray)
"MD" Series:	Metal Coated Plastic Hood w/Strain Relief
TT25:	Plastic Dual DB25 Hood (gray)
DB25MH:	Die-Cast Metal DB25 Hood w/Strain Relief

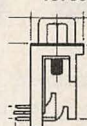
Part No.	Product No.	Type	1-9	10-99	100-999
15721	DE9H	9-Pin, Plastic	\$.37	\$.29	\$.25
15018	DA15H	15-Pin, Plastic	.37	.29	.25
15085	DB25H	25-Pin, Plastic	.37	.29	.25
15456	DC37H	37-Pin, Plastic	.67	.59	.55
15659	DD50H	50-Pin, Plastic	.73	.65	.59
67395	DD50HB	50-Pin, Plastic, Blk.	.49	.45	.39
25620	MDE9H	9-Pin, Metalized	.47	.39	.35
25566	MDA15H	15-Pin, Metalized	.47	.39	.35
25603	MDB25H	25-Pin, Metalized	.57	.49	.45
25611	MDC37H	37-Pin, Metalized	.69	.59	.49
15106	DB25MH	25-Pin, Metal	1.69	1.39	1.19

D-Subminiature Right Angle, PC Mount

- Metal/Plastic shell
- PC Mountable



15763



Part No.	Product No.	Contacts	Gender	1-9	10-99	100-999
15763	DE9P831*	9	M	\$.55	\$.49	\$.39
15801	DE9S831*	9	F	.65	.55	.49
71124	DA15P831	15	M	.79	.69	.65
77956	DA15S831	15	F	.85	.75	.69
71466	DA15S831HD**	15	F	1.15	.99	.89
15149	DB25P831	25	M	.89	.75	.69
15181	DB25S831	25	F	.95	.79	.75
71706	DC37P831	37	M	1.69	1.49	1.39
78182	DC37S831	37	F	1.79	1.59	1.49

*Plastic body; all others metal. **High Density

D-Subminiature Solder Cup High Density



15077



- Solder cups for 24 AWG wire
- Metal shell • Male connectors with grounding tangs

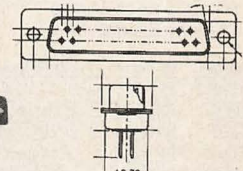
Part No.	Product No.	Contacts	Gender	1-9	10-99	100-999
15077	DB15HDP	15	M	\$.73	\$.69	\$.59

D-Subminiature Straight, PC Mount

- Gold plated contact
- Solder type tail
- Metal shell



15122

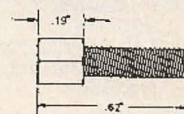


Part No.	Product No.	Contacts	Gender	1-9	10-99	100-999
15780	DE9SC	9	F	\$.45	\$.35	\$.29
15122	DB25PC	25	M	.69	.65	.59
15165	DB25SC	25	F	.75	.69	.65

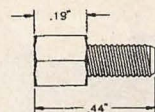
Mounting Screw Hardware for D-Subminiature Connectors

16547:

- 2 ea. nuts
- 4 ea. washers
- 2 ea. threaded female/male spacer



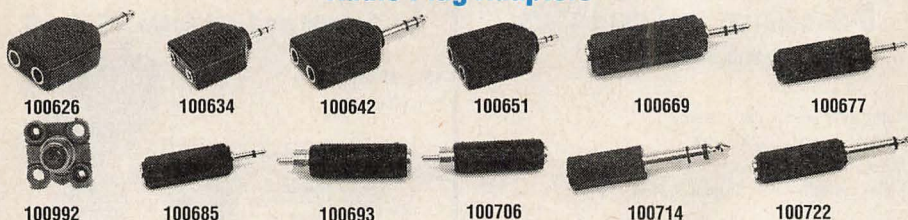
102816



16547

Part No.	Product No.	Description	1-9	10-99	100-999
16547	D20418-2	2 ea. screw lock assemblies for D-subminiature connectors	\$.49	\$.45	\$.39
102795	D14552-2	Hex standoff	.29	.25	.19
102808	D14553-2	Male screw retainer	.39	.35	.29
102816	D14556-2	Jack screws	.29	.25	.19

Audio Plug Adapters

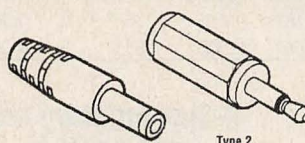


- Black plastic hood-threaded.
- Metal plug with black strain relief.

Part No.	Description	Application	1-9	10-99	100-999
100626	6.3 mm mono plug to dual 6.3 mm mono jack. Size: 3" L x 1.28"W	For use with a mono audio system and two head phones.	\$1.49	\$1.25	\$.99
100634	3.5 mm stereo plug to dual 3.5 mm stereo jack. Size: 1.9" L x 1.1"W	For use with Walkman type stereos, and two head phones.	1.25	.99	.79
100642	6.3 mm stereo plug to 6.3 mm dual stereo jack. Size: 3" L x 1.73"W	For use with stereos using a 6.33 mm plug, and two head phones.	1.49	1.25	.99
100651	3.5 mm stereo plug to 6.3 mm dual stereo jack. Size: 2.4" L x 1.28"W	For use with stereo using a 3.5 mm plug (Walkman type stereos) and two head phones using a 6.3 mm plug.	1.49	1.25	.99
100669	3.5 mm stereo plug to 6.3 mm stereo jack. Size: 2.15" L x 0.5"W	Converts a 3.5 mm stereo jack to a 6.3 mm stereo jack.	.89	.75	.59
100677	3.5 mm mono plug to 6.3 mm stereo jack. Size: 2.18" L x 0.5"W	Converts a 3.5 mm mono jack to a 6.3 mm stereo jack.	.79	.59	.39
100685	3.5 mm mono plug to 6.3 mm mono jack. Size: 2.25" L x 1.6"W	Converts a 3.5 mm mono jack to a 6.3 mm mono jack.	.89	.75	.59
100693	RCA plug to 6.3 mm stereo jack. Size: 2.13" L x 0.43"W	Converts an RCA type jack to a 6.3 mm stereo jack.	.89	.75	.59
100706	RCA plug to 6.3 mm mono jack. Size: 2.13" L x 0.43"W	Converts an RCA type jack to a 6.3 mm mono jack.	.89	.75	.59
100714	6.3 mm stereo plug to 3.5 mm stereo jack. Size: 2.38" L x 0.43"W	Converts a 6.3 mm stereo type jack to a 3.5 mm stereo jack.	.75	.65	.49
100722	6.3 mm mono plug to 6.3 mm stereo jack. Size: 3" L x 0.5"W	Converts a 6.3 mm mono jack to a 6.3 mm stereo jack.	.89	.75	.59
100992	RCA plug connector with automatic breaking contacts. Size: .75" L x .73"W x .56"H	Audio connector chassis mount	.35	.29	.25

Power Plugs

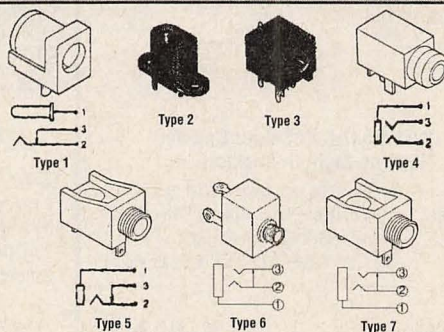
- Use 24 AWG 2 conductor wire, PN 100280, to make custom length power cables.
- Shield Crimp Tabs • Use with mating power jack found in table below
- Plastic Screw on Housing • Use with AC/DC wall transformers
- Solder Eyelets 1mm Dia.



Part No.	Product No.	ID x OD (mm)	Plug Type	Type	1-9	10-99	100-999
71191	PP137	1.3mm x 3.5mm	Female	1	\$.69	\$.59	\$.49
28759	PP049	2.1mm x 5.5mm	Female	1	.59	.49	.39
28767	PP109	2.5mm x 5.5mm	Female	1	.59	.49	.39
71183	PP138	3.0mm x 6.2mm	Female	1	.69	.59	.49
101135	PJ1025	2.5mm	Male	2	.69	.59	.49
101151	PJ1035	3.5mm	Male	2	.69	.59	.49

Power Jacks

- Contact Resistance: 10-20mΩ
- Insulation Resistance: 50mΩ min @ 500VDC
- Life: 10,000 cycles
- Use with AC/DC wall transformers
- Use with mating power plug found in table above



Part No.	Product No.	Dimensions H x W x D (mm)	Type	Mating Plug	1-9	10-99	100-999
101194	PP024	6mm x 6mm x 9mm	1	1.3mm Female	\$.39	\$.35	\$.29
101178	PP014	11mm x 9mm x 14.5mm	1	2.1mm Female	.35	.29	.25
101186	PP014A	11mm x 9mm x 14.5mm	1	2.5mm Female	.35	.29	.25
102091	PP015	11mm x 8.8mm x 11.5mm	2	2.5mm Female	.59	.49	.39
102082	PP15A	11mm x 8.8mm x 11.5mm	3	2.1mm Female	.59	.49	.39
101160	PJ0253A	5mm x 5mm x 11mm	4	2.5mm Male	.49	.39	.29
101143	PJ0352	10mm x 10mm x 18.5mm	5	3.5mm Male	.35	.29	.25
102066	PJ0251	9.5mm x 8.1mm x 7.9mm	6	2.5mm Male	.49	.39	.29
102074	PJ0252	8.5mm x 6.6mm x 10mm	7	2.5mm Male	.35	.29	.25

See page 65 for AC/DC Wall Transformers!

See page 49 for 24 AWG 2 Conductor Wire!

90° BNC Coax T Adapter

Application: General purpose coax T adapter; ThinNet/Ethernet LAN adapter

- Single BNC Male (twist-on plug) to double BNC Female • Color: silver 100589
- Size: 1.265"L x 1.07"W

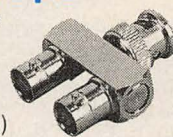
Part No.	Product No.	Description	1-9	10-99	100-999
100589	BNC104	90° Coax T	\$4.49	\$3.95	\$3.49

180° BNC Coax Adapter

Application: General purpose coax T adapter; ThinNet/Ethernet LAN adapter

- Single BNC Male (twist-on plug) to double BNC Female
- Color: Silver
- Size: 2.53"L x 1.27"W

Part No.	Product No.	Description	1-9	10-99	100-999
100597	BNC102	180° Coax T	\$4.49	\$3.95	\$3.49



Standard Double Binding Post to BNC male

- Adapts BNC female connector to double binding post/banana plug
- Double binding post with captive thumb nut
- Accepts standard banana plugs
- Operating Voltage: 500 VRMS
- Size: 2.34"L x 1.14"W



Part No.	Product No.	Description	1-9	10-99	100-999
99354	2BNC1	Double binding post	\$3.95	\$3.49	\$2.95



99418



99397



99389

Terminal Blocks

- Materials
 - Housing: Polyamide
 - Solder: Brass Tin Plated
 - Wire Protector: Phosphor Bronze Ni-plated
 - Screw: Steel Tin Plated
- Pin spacing: 0.2"
- Color: Green
- 2 and 3 terminal blocks

Side Entry

- Terminals: 2 (0.415"L x 0.4"W x 0.545"H)
- Terminals: 3 (0.6"L x 0.4"W x 0.545"H)
- Right Angle

Part No.	Product No.	Description	1-9	10-99	100-999
99418	128R2P	2 terminal	\$.35	\$.31	\$.27
99400	128R3P	3 terminal	.49	.45	.39

Top Entry

- Terminals: 2 (0.415"L x 0.4"W x 0.545"H)
- Terminals: 3 (0.610"L x 0.4"W x 0.545"H)

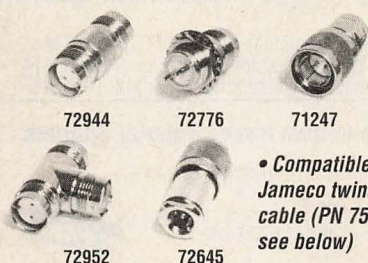
Part No.	Product No.	Description	1-9	10-99	100-999
99426	128V2P	2 terminal	\$.49	\$.45	\$.39
99397	128V3P	3 terminal	.69	.59	.55

45° Entry

- Terminals: 2 (0.535"L x 0.525"W x 0.6"H)
- Terminals: 3 (0.615"L x 0.525"W x 0.6"H)
- 45° housing

Part No.	Product No.	Description	1-9	10-99	100-999
99389	1032P	2 terminal	\$.49	\$.45	\$.39
99434	1033P	3 terminal	.59	.49	.45

We carry major manufacturers – call for pricing in quantities over 1000.



• Compatible with
Jameco twinaxial
cable (PN 75539-
see below)

Twinaxial Connectors

Part No.	Description	1-9	10-99	100-999
72776	Bulkhead receptacle IBM #7364498	\$4.95	\$4.49	\$3.95
72944	Adapter (F.F.) IBM #7322230	5.95	5.49	4.95
72952	T Adapter IBM #6851167	7.95	6.95	5.95
72645	Solder type twin axial connector	4.95	4.49	3.95
71247	Twinaxial terminator (100 Ω) IBM #6091068	4.95	4.49	3.95



Coaxial Cables

- For audio, video and communication applications, Ethernet networks, Arcnet networks, and IBM 3270
- Braided shield • Also available in 100' and 1000' spools
- See compatible connectors (above right)

RG58/U Cable

- RG58/U cable • 50 Ω
- 20 AWG solid copper center with copper braided shield
- For Ethernet networks, oscilloscopes, and CB & HAM radio
- Nominal capacitance: 27pf/ft • Insulation: Teflon
- Center conductor resistance: 10.4 Ω/1000ft @ 77°F

Part No.	Description	1-99	100-999	1000
102226	RG58/U	\$1.18	\$1.11	\$0.99

RG59/U Cable

- RG59/U cable • 75 Ω
- 22 AWG solid copper center conductor with copper braided shield
- For CATV and video patch cords
- Nominal capacitance: 19pf/ft • Insulation: Teflon
- Center conductor resistance: 16.5 Ω/1000ft @ 77°F

Part No.	Description	1-99	100-999	1000
102218	RG59/U	.19	.13	.11

RG62A/U Cable

- RG62A/U cable • 93 Ω
- 22 AWG solid copper center conductor with copper braided shield
- For Arcnet networks and IBM 3270
- Nominal capacitance: 13pf/ft • Insulation: Teflon
- Center conductor resistance: 16.5 Ω/1000ft @ 77°F

Part No.	Description	1-99	100-999	1000
104686	RG62A/U	.21	.15	.13



Twinaxial Network Cable

- 20AWG
- Solid center conductors: 1 bare copper; 1 tinned copper
- For IBM systems 34, 36, 38, 5250, 5251 remote model 12 • For AS400
- Nominal capacitance: 15.5pf/ft • Insulation: Polyethylene
- Center conductor resistance: 10.4 Ω/1000ft @ 77°F

Part No.	Description	1-99	100-999	1000
104694	Twinaxial cable	\$4.49	\$4.45	\$4.41



75 ohm F Connectors

These versatile, durable F connectors provide connection for coaxial cables, and are used with a variety of electronic equipment including: VCRs, antennas, and TVs.

Part No.	Description	1-9	10-99	100-999
81744	F male; hex crimp ferrule, use RG59U cable	\$0.35	\$0.27	\$0.23
81736	F quick male; push-on with ferrule, use RG59U cable	.65	.49	.33
81728	F male; hex crimp ferrule use RG58/U cable	.27	.21	.19
81710	F male; 2 pc. w/ ferrule, use RG58U cable	.27	.22	.19
81752	F male; terminator 75 Ohms	.45	.35	.29
81808	F-81 bulkhead connector, female splice	.45	.35	.29
81779	F rear mount receptacle with solder tail	.65	.55	.45
81787	F front mount receptacle with solder tail	.75	.59	.49
81816	F push-on to female adapter	.59	.49	.39
81795	F male to male adapter	.99	.85	.69
81761	F cable twist-on to push-on connector	.45	.35	.29
81824	F female B type bulkhead receptacle solder type	.45	.39	.35

Jameco F-type cables

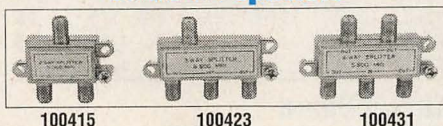
- Typical application: F connector (VCR)
- Low signal loss

- Made of high-quality 75 ohm RG59 cable
- Molded strain relief
- Compatible with cable TV splitters (below)

Part No.	Description	1-9	10-24
85577	1.5 ft. long, RG59/U	\$1.49	\$1.25
85585	3.0 ft. long, RG59/U	1.95	1.49
85593	6.0 ft. long, RG59/U	2.49	1.95



Cable TV Splitters



All cable TV splitters use push on F type connectors.
Effective frequency range: 5-900 MHz
• Splits one cable TV signal into two signals • Color: gold

2-Way Cable TV Splitters

Size: 2.25" L x 2.25" W x 1.75" H

Part No.	Product No.	Description	1-9	10-99	100-999
100407	TV2241	2-way mini splitter	\$1.39	\$1.15	\$0.89
100415	TV2242	2-way splitter	\$1.49	\$1.25	\$0.99

3-Way Cable TV Splitter

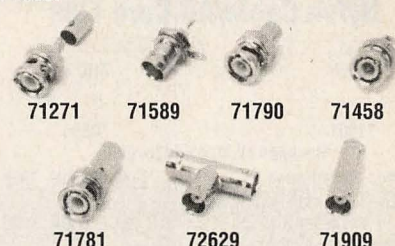
Size: 3" L x 2" W x 0.6" H

Part No.	Product No.	Description	1-9	10-99	100-999
100423	TV2243	3-way splitter	\$1.75	\$1.49	\$1.19

4-Way Cable TV Splitter

Size: 3" L x 2" W x 0.6" H

Part No.	Product No.	Description	1-9	10-99	100-999
100431	TV2244	4-way splitter	\$1.95	\$1.75	\$1.39



BNC Coax Connectors

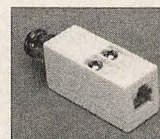
Part No.	Description	1-9	10-99	100-999
71458	BNC terminator (50 Ohm)	..\$1.49	\$1.25	\$0.99
71790	BNC terminator (75 Ohm)	1.59	1.25	.99
102306	BNC terminator (93 Ohm)	1.95	1.75	1.59
71482	RG58 Male BNC connector with pin and ferrule	1.49	1.25	.99
71781	RG59 Male BNC connector w/ hex twist cable connection	1.49	1.25	.99
71271	RG59 and RG62 Male BNC connector with pin and ferrule	1.39	1.15	.89
72629	Female BNC "T" connector	2.95	2.49	1.95
71589	Female BNC panel mount connector	1.49	1.25	.99
71909	Female to female BNC coupler	1.49	1.25	.99

See opposite page for additional Coax adapters!

BNC Coax Network Balun

Converts BNC coaxial cable to twisted-pair wires with either a modular RJ11 jack or 2 screw terminals.

- 100Ω termination
- Size: 2.75" L x .75" W x 1" H



Part No.	Product No.	Description	1-9	10-24
72637	BNC075	BNC Coax Balun	\$8.95	\$7.95

BNC Coax Cable Assemblies

- Pre-assembled
- Select the correct length for your specific application



RG58/U 50 Ω cables

- For Ethernet networks, oscilloscopes, and CB & HAM radio

Part No.	Product No.	Description	1-9	10-24
102314	CRG58-1	RG58U, 50Ω, 1.5 ft.	\$2.95	\$2.65
11404	CRG58-3	RG58U, 50Ω, 3 ft.	3.95	3.49
102331	CRG58-6	RG58U, 50Ω, 6 ft.	4.95	4.49
102349	CRG58-12	RG58U, 50Ω, 12 ft.	7.95	6.95
102357	CRG58-25	RG58U, 50Ω, 25 ft.	10.95	9.95
102365	CRG58-50	RG58U, 50Ω, 50 ft.	14.95	13.49
102381	CRG58-100	RG58U, 50Ω, 100 ft.	19.95	17.95

RG59/U 75Ω cables

- For CATV and video patch cards

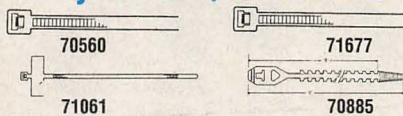
Part No.	Product No.	Description	1-9	10-24
86471	CRG59-1	RG59U, 75Ω, 1.5 ft.	\$2.95	\$2.65
85534	CRG59-3	RG59U, 75Ω, 3.0 ft.	3.95	3.49
85542	CRG59-6	RG59U, 75Ω, 6.0 ft.	4.95	4.49
102373	CRG59-12	RG59U, 75Ω, 12 ft.	7.95	6.95
102390	CRG59-25	RG59U, 75Ω, 25 ft.	10.95	9.95

RG62/U 93Ω cables

- For Arcnet and IBM 3270 networks

Part No.	Product No.	Description	1-9	10-24
102402	CRG62-1	RG62U, 93Ω, 1.5 ft.	\$3.49	\$2.95
102411	CRG62-3	RG62U, 93Ω, 3 ft.	4.95	4.49
102429	CRG62-6	RG62U, 93Ω, 6 ft.	5.95	5.35
102437	CRG62-12	RG62U, 93Ω, 12 ft.	8.95	7.95
102445	CRG62-25	RG62U, 93Ω, 25 ft.	11.95	10.75

Nylon Cable/AC Cord Ties



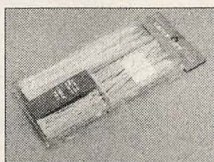
See page 70 for cable tie gun!

Part No.	Description	1-99	100-999	1000
70560	Standard cable tie (Clear) 3.125"L x 0.1"W	\$0.06	\$0.04	\$0.02
104141	Standard cable tie (Black) 4.0"L x 0.1"W	...05	.03	.015
70906	Standard cable tie (Clear) 5.75"L x .140"W	.08	.05	.025
104133	Standard cable tie (Black) 5.75"L x .140"W	.06	.04	.025
71677	Double locking cable tie (Black) 9"L x .350"W	...39	.35	.29
71837	Double locking cable tie (Black) 12"L x .350"W	...45	.39	.35
71992	Double locking cable tie (Black) 14"L x .350"W	...45	.35	.29
71061	Locking ID (.975 x .310) Tab cable tie, (Clear) 4"L x .100"W	...19	.14	.09
70885	AC cord tie (Clear) 6.290"L x .345"W	.15	.10	.06

75 pc. Tie Wrap Kit

Three different size tie wraps:

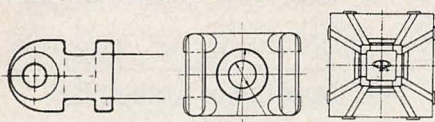
- 3.75"L x 0.1"W
- 4.75"L x 0.1"W
- 7.5"L x 0.175"W
- Includes 25 each size
- Material: Nylon
- Color: White



Part No.	Product No.	Description	1-9	10-99
100263	TW200	75 pc. tie wrap kit	\$7.95	\$6.95

Nylon Cable Tie Mounts

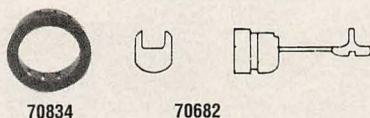
Screw Tab and Cradle Mount Adhesive



• Used with the above nylon cable ties

Part No.	Description	1-9	10-99	100-999
71001	0.6"Lx0.4"W screw 2-way cable tie, accommodate 0.190"W max.	\$0.12	\$0.09	\$0.06
71212	0.9"Lx0.635"W screw 2-way cable tie, accommodate 0.0355"W max.	...15	.12	.09
70594	0.760"Lx0.375"W screw 4-way cable tie, accommodate 0.2"W max.	...15	.12	.09
71407	0.85" square adhesive 4-way cable tie, accommodate 0.13"W max.	.29	.25	.19
71394	1.1" square adhesive 4-way cable tie, accommodate 0.2"W max.	...32	.27	.22
71386	1.1" square adhesive 2 way cable tie, accommodate 0.355"W max.	.35	.29	.25

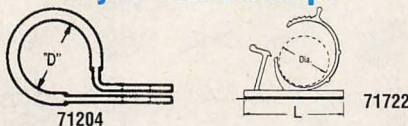
Strain Relief Bushings



• Black nylon • See page 70 for strain relief bushing tool.

Part No.	Description	1-9	10-99	100-999
70682	Flat cable strain relief cable size: .225"W x .2" thick	\$0.15	\$0.12	\$0.10
70834	Round cable strain relief cable size: .6" dia.	.19	.16	.12
70578	Flat cable straight relief cable size: .1"W x .1" thick	.09	.07	.06

Nylon Cable Clamps

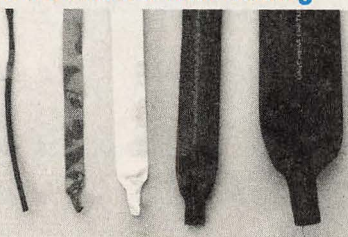


• Color: Listed below

• Adhesive backed

Part No.	Description	1-9	10-99	100-999
71204	1/2" Dia. x 1/2"W (Clear)	\$0.13	\$0.10	\$0.08
71520	Locking adhesive backed (black) 1/2" Dia. x 1 1/4"L x 3/4"W	.49	.42	.35
71722	Locking adhesive backed (black) 5/8" Dia. x 2"L x 1"W	.89	.75	.65
71925	Locking adhesive backed (black) 7/8" Dia. x 2"L x 1"W	.79	.65	.55

PVC Heat Shrink Tubing



- 2:1 uniform shrink ratio
- Color: black
- UL/CSA approved
- Will not cold flow or melt
- Temperature range: -45°C to 125°C
- Shrink temperature: 175°C
- Length 39" (1 meter)
- Sold as 1 increment

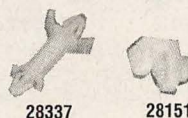
Part No.	Before	Diameter After	1-9	10-99	100-999
70631	1/4"	1/8"	...\$0.49	\$0.45	\$0.35
70623	1/2"	1/4"	...59	.49	.45
70666	3/4"	3/8"	...69	.59	.49
70789	1 5/8"	3/4"	...99	.79	.59

Polyolefin Heat Shrink Tubing

- 2:1 uniform shrink ratio
- Color: black
- UL/CSA approved
- Dielectric strength: 1300V/MIL
- Temperature range: -45°C to 125°C
- Flexible
- Shrink temperature: 121°C
- Flame retardant
- Length 39" (1 meter), sold as 1 increment

Part No.	Before	Diameter After	1-9	10-99	100-999
71327	1/16"	1/32"	...\$0.69	\$0.59	\$0.55
71870	3/32"	3/64"	...75	.65	.59
71280	1/8"	1/16"	...89	.75	.65
72063	1/4"	1/8"	...1.25	1.09	.99
72901	2"	7/8"	...5.95	4.75	3.95

Circuit Board Mounting Hardware



- 28337: • Stand-off for raising boards horizontally and separating daughterboards • Snap "on"
- Nylon • 0.1875" mounting hole, both ends
- 0.5" stand off • Will hold .0625" max and .125" max material thickness
- 28151: • Stand-off for holding boards vertically
- Full-size AT style cases • Slide "on" • Nylon
- 0.125" slotted mounting x .1875" length
- .0625" max material thickness, both sides

Part No.	Product No.	1-9	10-99	100-999
28337	PCST	...\$0.15	\$0.12	\$0.09
28151	PCBS	...15	.12	.09

JOHNSON® Aluminum Spacers

- Material: Aluminum alloy 2011T3 per ASTM B-211, latest revision
- Finish: clear iridite #14 chromate conversion finish per MIL-C-5541C

Aluminum Round Tubular Spacers

• See material specs above



Part No.	Thread Size	Length	1-99	100-999	1000
76769	4 (.115)	.187	\$0.08	\$0.07	\$0.055
76777	4 (.115)	.250	.09	.08	.061

Aluminum Round Threaded Spacers

• See material specs above



Part No.	Thread Size	Length	1-99	100-999	1000
77251	4-40	.375	...11	.10	.079
77260	4-40	.500	...13	.11	.09
77286	4-40	.750	...25	.22	.17
77307	4-40	1.00	...26	.24	.18
77315	4-40	1.25	...27	.24	.18
77323	6-32	.500	...13	.11	.09
77340	6-32	.750	...25	.22	.17
77366	6-32	1.00	...27	.24	.18
77374	8-32	.500	...13	.11	.09
77382	8-32	.750	...25	.22	.17
77391	8-32	1.00	...27	.24	.18

Aluminum Hex Threaded Spacers

• See material specs above



Part No.	Thread Size	Length	1-99	100-999	1000
77500	4-40	.375	...13	.11	.09
77518	4-40	.625	...26	.23	.18
77526	4-40	.875	...24	.21	.16
77534	6-32	.250	...11	.10	.08
77542	6-32	.500	...14	.13	.10
77551	6-32	.625	...16	.14	.11
77569	6-32	.750	...23	.20	.155
77577	6-32	1.00	...26	.23	.17

Aluminum Hex Threaded Male/Female Spacers

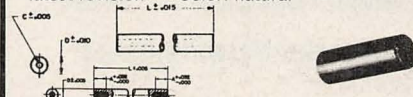
• See material specs above



Part No.	Thread Size	Length	1-99	100-999	1000
77585	4-40	.250	...29	.26	.20
77593	4-40	.375	...34	.31	.23
77606	6-32	.500	...32	.29	.22
77622	6-32	.750	...33	.29	.22
77649	6-32	1.00	...35	.31	.23
77657	6-32	1.25	...37	.33	.25
77665	6-32	1.50	...39	.36	.27

Nylon Round Tubular Spacers

- Material: Polyamide, type 66 per ASTM D4066, latest revision
- Color: natural



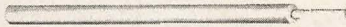
Part No.	Clearance	Length	1-99	100-999	1000
77403	4 (.115)	.125	...\$0.05	\$0.045	\$0.033
77411	4 (.115)	.187	...05	.045	.035
77420	4 (.115)	.250	...055	.05	.037
77438	6 (.140)	.312	...065	.055	.042
77446	6 (.140)	.375	...08	.07	.052
77454	6 (.140)	.500	...09	.08	.062
77462	6 (.140)	.625	...10	.09	.073
77471	6 (.140)	.750	...11	.105	.08

We carry major manufacturers – call for pricing on quantities over 1000.

22AWG Solid Wire*

- Insulated silver plated copper
 - Insulation thickness: .016"
 - Temperature rating through 80°C
- For use with breadboards such as the JE20 series (see page 77)

Ideal for students and schools!

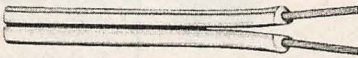


Part No.	Product No.	Color	100 ft.	Part No.	Product No.	Color	1000 ft.
36767	122BE/C	Blue	\$4.39	36775	122BE/K	Blue	\$29.95
36791	122BK/C	Black	4.39	36804	122BK/K	Black	29.95
36821	122G/C	Green	4.39	36839	122G/K	Green	29.95
36855	122R/C	Red	4.39	36863	122R/K	Red	29.95
36880	122W/C	White	4.39	36898	122W/K	White	29.95
36919	122Y/C	Yellow	4.39	36927	122Y/K	Yellow	29.95

*Must be ordered in increments of 100' or 1000'

24AWG 2 Conductor Power/Speaker Cable

- Standard copper wire (7x32)
- Black wire w/ white polarity stripe
- Use as power cord for AC/DC power plugs (wall transformers) or speakers



Part No.	Product No.	Color	100 ft.	Part No.	Product No.	Color	1000 ft.
100280	221BK/C	Black	\$5.95	100298	224BK/K	Black	\$49.95

Kynar™ 30AWG Wire*

Wrap Solid Conductor Wire

- Assorted color coded insulation • Used for prototyping
- See page 71 for wire wrap tools

Judd Wire:

- Economical • Insulated copper • 30AWG solid conductor

Kynar™ Wire:

- High quality, superior electrical characteristics
- Insulated silver plated copper • High-density, 30AWG solid conductor



30 AWG Judd Wire Wrap*

Part No.	Product No.	Color	100 ft.	Part No.	Product No.	Color	1000 ft.
36978	130G/C	Green	\$2.95	36986	130G/K	Green	\$19.95
37006	130O/C	Orange	2.49	37014	130O/K	Orange	14.95
37065	130V/C	Violet	2.49	37073	130V/K	Violet	14.95
37090	130Y/C	Yellow	2.95	37102	130Y/K	Yellow	19.95

30 AWG Kynar™ Wire Wrap*

Part No.	Product No.	Color	100 ft.	Part No.	Product No.	Color	1000 ft.
22541	K130BE/C	Blue	\$4.95	22550	K130BE/K	Blue	\$21.95
22576	K130BK/C	Black	4.95	22584	K130BK/K	Black	21.95
22630	K130R/C	Red	4.95	22648	K130R/K	Red	21.95
22664	K130W/C	White	4.95	22672	K130W/K	White	21.95
22605	K130G/C	Green	4.95	22613	K130G/K	Green	21.95
22699	K130Y/C	Yellow	4.95	22701	K130Y/K	Yellow	21.95

*Must be ordered in increments of 100' or 1000'

Power Line Filters & AC Receptacles



Fig. 1



Fig. 2



Fig. 3

- 40601/42454/10639 Specifications:** • Radio Frequency Interference (RFI) Filter
- Rating: 3A/6A, 115/250VAC, 50/60Hz • Size: 2.16" L x 1.97" W x 0.78" H
 - Mates with power cord #38076 (see right)

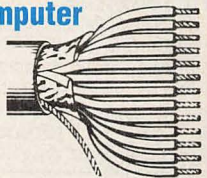
- 16651 Specifications:** • Computer power outlet • 3 pins .078" x .157"
- Rating: 6A @ 250VAC • UL and CSA approved
 - Mounts in rectangular 1.0625" x .75" hole and two .125" dia. holes
 - Mates with power cord #38076 (see right)

- 40521 Specifications:** • AC power outlet - three conductor
- Snaps into panel without the use of tools • 15A @ 125VAC
 - UL listed • Fits into 1" square cut-out

Part No.	Product No.	Description	Terminals	Figure	1-9	10-99	100-999
40601	3EF1	3 Amp RFI Filter	Solder Eyelet	1	\$2.95	\$2.75	\$2.49
42454	6EF1	6 Amp RFI Filter	Solder Eyelet	1	4.95	4.49	3.95
10639	APF600	6 Amp RFI Filter	Solder Eyelet	1	3.95	3.75	3.49
16651	EAC309	Male AC Receptacle	Solder Eyelet	2	1.15	.89	.75
101848	EAC311	Male AC Receptacle	Quick Disconnect	2	1.15	.89	.75
40521	3AC	Female AC Outlet	Quick Disconnect	3	1.39	1.19	.99

24AWG Multiconductor Shielded Computer Communication Cable

- Stranded copper wire, multi-colored insulation
- Insulated with polyvinylchloride (PVC)
- External color: gray • 24AWG (7 x 32)
- Shielded 100% with aluminum mylar
- Separate drain wire • Voltage Rating: 300V



Part No.	Product No.	Conductors	10-99 ft.	100-999 ft.	1000 ft.
31860	SC4	4	\$.25	\$.19	\$.15
31878	SC9	9	.39	.35	.29
31843	SC15	15	.49	.45	.39
31851	SC25	25	.75	.69	.59

Minimum Order: 10 feet.

Please specify Part No. and feet when ordering

28AWG Flat Ribbon Cable

- Ideal for use with: insulation displacement DIP jumpers, card edge connectors, socket connectors and almost any other popular IDC connectors or cable assemblies
- Insulation: Polyvinyl chloride (PVC) • Center spacing: .05"
- Voltage rating: 300V • Temperature rating: -20°C to +80°C
- Gray stranded copper wire • 28 AWG (7 x 36)



Part No.	Product No.	Conductors	10-99 ft.	100-999 ft.	1000 ft.
37671	171-16	16	\$.23	\$.18	\$.15
37719	171-20	20	.29	.23	.18
37760	171-25	25	.37	.28	.23
37807	171-26	26	.38	.29	.24
37840	171-34	34	.49	.39	.32
37882	171-36	36	.55	.43	.35
37911	171-37	37	.59	.45	.39
37920	171-40	40	.59	.45	.37
37954	171-50	50	.75	.59	.47
103481	171-60	60	.89	.75	.65
100781	PS2-44	44 (2mm cable for IBM PS/2)	2.95	2.49	1.95

Minimum Order: 10 feet.

Please specify Part No. and feet when ordering

Coax and Twinaxial Cable (See page 47)

Line, Computer and Power Cords

• Molded Plugs • 10A @ 125VAC

- Power cord specifications:
- Temperature: 60°
- Excellent resistance to jacket abrasion
- 2 and 3 conductor types • Strain relief

AWG	Volts	Amps	Watts
18	125	10	1250
14	125	15	1875

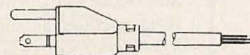


Fig. 1
Power Cord



Fig. 2
Line Cord

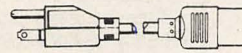


Fig. 3
Computer Power Cord

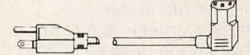


Fig. 4
Right Angle Computer Cord

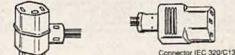


Fig. 5
Piggy-Backed Computer Cord



Fig. 6
2-3 Conductor Ground Adapter

Part No.	Product No.	Length	Color	Figure	Size	Type	1-9	10-99	100-999
42041	17106	6 ft.	Black	2	18/2	SPT-2	\$.99	\$.89	\$.75
104168	17109B	10 ft.	Black	2	18/2	SPT-2	1.19	.99	.85
37997	17236	6 ft.	Black	1	18/3	SVT	1.95	1.79	1.69
102007	17535B	9 ft. 10"	Black	1	18/3	SVT	3.49	3.25	2.95
38009	17237	6 ft.	Gray	1	18/3	SVT	1.95	1.79	1.69
102015	17535G	9 ft. 10"	Gray	1	18/3	SVT	3.49	3.25	2.95
100271	17629B	9 ft.	Black	1	14/3	SJ	3.95	3.49	2.95
103747	17248	6 ft.	Gray	3	18/3	SVT	2.95	2.49	2.25
38041	17249	6 ft.	Beige	3	18/3	SVT	2.95	2.49	2.25
38050	17250	6 ft.	Black	3	18/3	SVT	2.95	2.49	2.25
102023	17501	9 ft. 10"	Black	3	18/3	SVT	4.95	4.49	3.95
38076	17250R	6 ft.	Black	4	18/3	SVT	2.95	2.49	2.25
78078	17250F*	8 ft.	Black	3	18/3	SPT-2	2.49	2.25	1.95
84937	S1184	6 ft.	Black	5	18/3	SJT	2.95	2.49	2.25
71600	GIA201	—	Beige	6	2 to 3-Ground Adapter		1.25	1.09	.99

*SPT-2 (Flat Cord)

See page 48 for AC Power Cord Ties/Strain Relief Bushings

TO-3 Heatsink

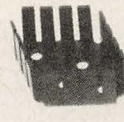
- TO-3 style devices
- Heavy-duty design
- Black anodized aluminum
- 1.625"L x 1.25"W x 1"H



Part No.	Product No.	For Use With	1-9	10-99	100-999
72451	MK517	TO-3	\$1.25	\$.99	\$.75

TO-3 Heatsink

- TO-3 style devices
- Space saving design
- Black anodized aluminum
- 1.812"L x 1.375"W x .75"H



Part No.	Product No.	For Use With	1-9	10-99	100-999
71554	6014B	TO-3	\$.65	\$.49	\$.39

TO-3 Heatsink

- TO-3 style devices
- Space saving design
- Black anodized aluminum
- 1.812"L x 1.375"W x 1.25"H



Part No.	Product No.	For Use With	1-9	10-99	100-999
71546	6016B	TO-3	\$.99	\$.79	\$.59

TO-3 Heatsink

- TO-3 package
- Black anodized
- 1.88"L x 1.375"W x 1"H



Part No.	Product No.	For Use With	1-9	10-99	100-999
42606	6015B	TO-3	\$.89	\$.79	\$.59

TO-3 Heatsink

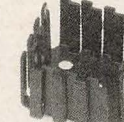
- TO-3 package
- Black anodized
- 1.88"L x 1.88"W x 1.25"H



Part No.	Product No.	For Use With	1-9	10-99	100-999
43705	690-TO3	TO-3	\$1.25	\$.99	\$.79

TO-3 Heatsink

- TO-3 style devices
- High power design
- Black anodized aluminum
- 2.125"L x 2.18"W x 1.125"H



Part No.	Product No.	For Use With	1-9	10-99	100-999
71571	MK501	TO-3	\$1.75	\$1.49	\$1.25

TO-3 Heatsink

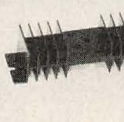
- TO-3 style devices
- Heavy-duty design
- High thermal efficiency
- Black anodized aluminum
- 2.375"L x 2.375"W x 1"H



Part No.	Product No.	For Use With	1-9	10-99	100-999
71562	MK516	TO-3	\$1.25	\$.99	\$.79

TO-3 Heatsink

- TO-3 package
- Black anodized
- 4.75"L x 1.5"W x 1.25"H



Part No.	Product No.	For Use With	1-9	10-99	100-999
16512	DUDE4	TO-3	\$4.95	\$3.95	\$3.49

TO-5 Heatsink

- Press on heat sink for TO-5 style device
- Black anodized aluminum
- Diameter: .5" Dia x .375"H x .115" (thick)



Part No.	Product No.	For Use With	1-9	10-99	100-999
70931	MP402	TO-5	\$.59	\$.49	\$.39

TO-5 Heatsink

- Press on heat sink for high power TO-5 style device
- Black anodized aluminum
- .562"L x .562"W x .375"H



Part No.	Product No.	For Use With	1-9	10-99	100-999
70922	MP404	TO-5	\$.69	\$.59	\$.49

TO-220 Heatsink

- TO-220 package
- Black anodized
- 1"L x 1.19"W x 0.5"H



Part No.	Product No.	For Use With	1-9	10-99	100-999
42622	6030B	TO-220	\$.49	\$.45	\$.39

TO-220 Heatsink

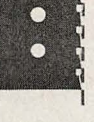
- TO-220 package
- Black anodized
- 1.06"L x .438"W x .875"H



Part No.	Product No.	For Use With	1-9	10-99	100-999
40504	291-36H	TO-220	\$.49	\$.45	\$.39

TO-220 Heatsink

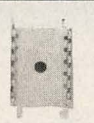
- TO-220 case styles
- Aluminum
- 1.187"L x 1"W x .5"H



Part No.	Product No.	For Use With	1-9	10-99	100-999
70914	MB206	TO-220	\$.49	\$.45	\$.39

TO-220 Heatsink

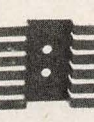
- Wave solderable
- TO-220 case styles
- Aluminum
- 1.187"L x .687"W x .625"H



Part No.	Product No.	For Use With	1-9	10-99	100-999
70818	MB221-1	TO-220	\$.59	\$.55	\$.49

TO-220 Heatsink

- TO-220 case styles
- Can handle one or two devices
- Black anodized aluminum
- 1.37"L x 1.75"W x .312"H



Part No.	Product No.	For Use With	1-9	10-99	100-999
70797	6072B	TO-220	\$.35	\$.29	\$.25

TO-220 Heatsink

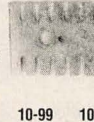
- Wave solderable
- TO-220 case styles
- Black anodized aluminum
- 1.5"L x .937"W x 0.5"H



Part No.	Product No.	For Use With	1-9	10-99	100-999
70771	MB209	TO-220	\$.39	\$.35	\$.29

TO-220 Heatsink

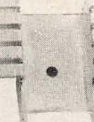
- TO-220 semiconductor case styles
- 1.625"L x .875"W x .056"H (flat)



Part No.	Product No.	For Use With	1-9	10-99	100-999
70981	MB210H	TO-220	\$.49	\$.45	\$.39

TO-220 Heatsink

- TO-220 case styles
- Good for high power devices
- Aluminum
- 2.00"L x 1.63"W x .75"H



Part No.	Product No.	For Use With	1-9	10-99	100-999
71301	MB212	TO-220	\$.89	\$.79	\$.69

TO-220 Heatsink

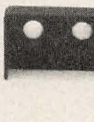
- Wave solderable
- For PC board applications
- TO-220 case styles
- Black anodized aluminum
- 2.125"L x .937"W x .5"H



Part No.	Product No.	For Use With	1-9	10-99	100-999
72346	MK541	TO220	\$1.95	\$1.75	\$1.49

General Purpose Heatsink

- Black anodized aluminum
- Can handle one or two devices
- .437"L x .687"W x .187"H



Part No.	Product No.	For Use With	1-9	10-99	100-999
70738	MB219	.....	\$ .29	\$.25	\$.19

Plastic Cases Heatsink

- Plastic power semiconductor devices
- Black anodized aluminum
- .75"L x .687"W x .375"H



Part No.	Product No.	For Use With	1-9	10-99	100-999
70658	MB221	Plastic cases	\$.35	\$.29	\$.25

General Purpose Heatsink

- Black anodized aluminum
- Can handle one device
- .937"L x .5"W x .375"H



Part No.	Product No.	For Use With	1-9	10-99	100-999
71044	MB220	.....	\$ .59	\$.49	\$.39

Plastic Cases Heatsink

- For use with plastic case devices (power SCR's/transistors)
- 1.62"L x .87"W x .056"H



Part No.	Product No.	For Use With	1-9	10-99	100-999
70973	MB210	Plastic cases	\$.49	\$.45	\$.39

TO-220 Heatsink Mounting Kits

- TO-220 heatsink insulator assembly
- 10 per pack



Part No.	Product No.	For Use With	1-9	10-99	100-999
34121	T2	TO-220	\$2.25	\$1.95	\$1.75

TO-3 Heatsink Mounting Kits

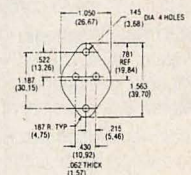
- TO-3 heatsink insulator assembly
- 10 per pack



Part No.	Product No.	For Use With	1-9	10-99	100-999
34139	T3	TO-3	\$3.49	\$3.25	\$2.95

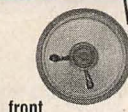
Plastic TO-3 Socket and Metal Insulator

26551



TO-3 socket and metal insulator fits standard devices such as the LM309K, 7800K and 7900K Series.

Part No.	Product No.	Pins/Type	1-9	10-99	100-999
26551	MP3452	TO-3 socket	\$.49	\$.39	\$.35
19086	ITO-3	Metal insulator	.08	.05	.03



10840



back

General Ferrite Type Speakers

Designed for a wide range of audio electronics.
For speaker wire see page 49.



31958



back

- High quality speakers • Open-frame construction • Pre-tinned speaker lugs • Braided copper voice coil leads • Anodized metal surfaces • Large magnet

Jameco Round Speakers

Part No.	Product No.	Description	Power	Ohm	1-9	10-99
88410	A0200	2.00" Round x .688" deep	25 watt	8	\$1.09	\$.89
10840	A0201	2.25" Round x .688" deep	25 watt	8	1.19	.95
10858	A0202	2.50" Round x .750" deep	30 watt	8	1.29	.99

Jameco Samarium Cobalt Dynamic Speaker

- 0.1 Watt @ 7.8 Ohms
- Frequency: 580 Hz - 15KHz
- Size: 0.173" H x 1.1" Diameter



Part No.	Description	1-9	10-99
76099	Samarium Cobalt Dynamic Speaker	\$2.95	\$2.39

Jameco Voice Coil Speaker

- 0.2 Watt maximum operation at 8 Ohms
- Frequency: 200Hz - 4KHz
- Resonant frequency: 200 ± 60Hz
- Sound output: 105dB
- PCB PIN type connection (0.22" long)
- Size: 0.55"H x 1.175" Diameter



Part No.	Description	1-9	10-99
76048	Voice Coil Speaker	\$3.49	\$2.75

Jameco Electronic Transducer

- 12VDC @ 0.7mA maximum operation at 15 Ohms
- Frequency: 2,300Hz - 4,200Hz
- Resonant frequency: 2048Hz
- Sound output: 80dB
- PCB PIN type connection (0.2" long)
- Size: 0.34" H x 0.472" Diameter



Part No.	Description	1-9	10-99
76056	Electronic Transducer	\$1.95	\$1.49

Jameco Electronic In-Circuit Transducers

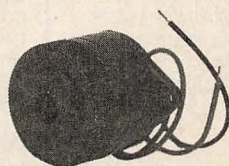
- Frequency: 2,200Hz - 2,300Hz
- Sound output: 85dB
- PCB PIN type connection (0.2" long)
- Color: Black



Part No.	Description	1-9	10-99
76064	• 5VDC @ 30mA maximum operation; Size: 0.374"H x 0.472" Diameter	\$2.95	\$2.39
76081	• 6VDC @ 30mA maximum operation; Size: 0.551"H x 0.629" Diameter	2.95	2.39
76072	• 12VDC @ 30mA maximum operation; Size: 0.374"H x 0.472" Diameter	2.95	2.39

Jameco Piezo Audio Signal Device

- Single tone
- 3-28VDC @ 20mA maximum operation
- Top mounting via mounting nut or base mounting via screw holes
- Two 0.6" screws with washers and nuts
- 1.35" mounting hole spacing
- 4.5" color coded connector wires
- Size: 1.0" H x 1.125" Diameter



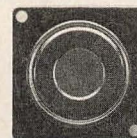
Part No.	Description	1-9	10-99
76021	Piezo Audio Signal Device	\$4.95	\$3.95

Jameco Square Speakers

Part No.	Product No.	Description	Power	Ohm	1-9	10-99
31958	SF25016	2.625" Square x .75" deep	25 watt	16	\$1.49	\$1.19
99995	SF3W04	2.625" Square x 1" deep	3 watt	4	1.69	1.35

Jameco Flat Magnetic Piezo Speakers

- 0.4 Watt maximum operation at 8 Ohms
- Frequency: 500 Hz - 8 KHz
- 10% distortion at 2 KHz
- Stainless steel diaphragm
- Solder type connections
- Size: (34024) - 1.195" square x 0.183" thick
(76030) - 1.58" square x 0.21" thick



34024

Part No.	Product No.	Description	1-9	10-99
34024	TS30S	1.195" square speaker	\$1.75	\$1.39
76030	AZ40S	1.58" square speaker	1.95	1.49

Jameco Ultra Compact Communications Speaker with Magnetic Mount

- Maximum input: 8 Watts
- Frequency Range: 200 - 18,000 Hz
- Impedance: 8 Ω
- Black ABS case
- Includes 3 foot cord with 3.5 mm male plug
- Size: 3"W x 2"D x 2.75"H



NEW

Part No.	Product No.	Description	1-9	10-99
102031	CS3	Ultra compact speaker	\$10.95	\$9.95

Jameco Piezo Mini Siren

- Operating Range: 6-12 VDC
- Sound Output: 95db
- 150mA Current
- 5.5" color coded connector wires, tinned
- Black plastic case
- Size: 1.96" diameter x .71"H
- Width from mounting hole to mounting hole: 2.32"

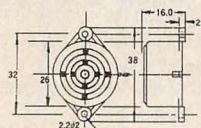


NEW

Part No.	Product No.	Description	1-9	10-99
102470	SS30P	Piezo mini siren	\$9.95	\$8.95

Jameco Audible Signal Device

- Single tone
- Turns on and off with low power transistor, SCR or IC
- Can be battery operated 4-28 VDC
- Solid-state — no moving parts
- Panel mounts in 1.25" round hole
- Black plastic case — includes mounting nut
- Current: 15mA • 80dB • Frequency: 3200Hz ±300
- Size: 1.25"H x 1.691" Diameter • Color: Black

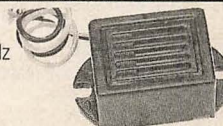


Use as a Warning Device or Audible Reminder!

Part No.	Product No.	Description	1-9	10-99
32601	S3240	Audible Signal Device	\$4.75	\$3.79

Jameco Mini-Buzzer

- Operates on +6 to +9 VDC • Output frequency: 800Hz
- Draws only 15mA @ 600 Ohms
- Sound: 80dB • Color: Black
- Size: 1.25" L x .625"H • 1.1" mounting hole spacing



Part No.	Product No.	Description	1-9	10-99
24871	MB6	Mini-Buzzer	\$1.59	\$1.39

Jameco Micro Mini Alarm Siren

- Operating Range: 6 - 12 VDC • Sound Output: 105db
- 250mA Current • 16.5" color coded connector wires, tinned
- White plastic housing • Size: 2.75" diameter x 2" depth



NEW

Part No.	Product No.	Description	1-9	10-99
102488	SS20	Micro mini alarm siren	\$9.95	\$8.95

PAYMENT

MINIMUM ORDER

Jameco has no minimum order. Orders less than \$25.00 will be subject to a \$5.00 processing fee.

CREDIT CARD, CHECK or MONEY ORDER

We accept VISA or MasterCard. No added surcharges. You may pay by check or money order in U.S. funds, drawn on a U.S. bank.

OPEN ACCOUNT

Please contact Jameco for information on obtaining open account status. Applications for credit will be processed through Dun & Bradstreet.

C.O.D.

C.O.D. can be requested by telephone or mail. Orders over \$300.00 are subject to authorization prior to shipment. Personal checks are accepted. Service charge is \$5.00. C.O.D. service is not available to P.O. Box addresses including APO, FPO and MPO addresses. C.O.D. service is available only through Federal Express or UPS. Federal Express does not accept cash as payment for C.O.D. packages.

VOLUME DISCOUNTS

Jameco offers discounts to customers placing large quantity orders. Please ask for the Jameco Quote Department for bulk purchase discounts. Jameco's Quote Department offers competitive pricing and personalized service to those customers interested in volume purchases.

INTERNATIONAL ORDERS

To order, call (415) 592-8097 or FAX (415) 592-2503. All foreign orders must be prepaid with credit card, wire transfer, traveler's checks, cashier's check or money order drawn on a U.S. bank in U.S. funds only. Please do not send cash. Letters of Credit are not an acceptable form of payment. Orders of U.S. \$1,500.00 and over may require a U.S. export license (license processing fee: \$50.00). Contact Jameco for additional information. Please include 25% for postage and handling; any excess will be refunded. Customer will be responsible for charges in excess of the 25%. Please specify carrier. All returns that meet postal requirements must be sent prepaid via air parcel post. No returns will be accepted by any other method due to excessive U.S. customs charges. All shipments via any other method will be refused at the port of entry. Some items in our catalog do not meet postal regulations and therefore cannot be covered under warranty. If you are unsure of a product's eligibility please check with Jameco at the time the order is placed.

SALES TAX

Sales tax must be charged to all orders delivered in California. Please include applicable tax for your area (i.e., 7.25%, 7.75%, 8.25%). Customers having a current California Resale Card on file with Jameco will be exempt from sales tax.

RETURNED CHECKS

Checks returned for any reason will be subject to a \$10.00 fee.

DISCLAIMER

We are not responsible for typographical errors. We reserve the right to substitute manufacturers. Items subject to availability and prior sale. Products pictured may only be representative.

PRICES

Prices are effective as of 1-24-94. Prices and discounts are subject to change without notice.

SHIPPING

DELIVERY

98% of our orders are shipped within 24 hours of receipt. Occasionally orders may be delayed resulting in shipment no later than 48 hours after order receipt.

DOMESTIC: United States and Puerto Rico
Normal shipping methods are via Federal Express, UPS or First Class Mail, depending upon the size and weight of parcel. Please specify preference. (Federal Express or UPS will not deliver to P.O. Box addresses, including APO, FPO, and MPO). All orders shipped FOB origin.

Priority Shipment Orders:

All orders must be placed by 2:00 p.m. (P.S.T.) to guarantee shipment that same day. All orders placed after 2:00 p.m. will ship by the next business day.

Shipping Rates:

- **Ground Service (UPS)** - Delivery: 6-10 working days - \$5.00 for 1st 2 lbs.; \$0.50 for each additional lb.
- **3-Day Air Service** - Delivery: 3 working days - \$6.00 for 1st 2 lbs.; \$1.00 for each additional lb.
- **2-Day Air Service** - Delivery: 2 working days - \$10.00 for 1st 2 lbs.; \$1.50 for each additional lb.
- **Next Day Air Service** - Next Day by 3:00p.m. * \$14.00 for 1st 2 lbs.; \$1.50 for each additional lb.

*10:30 am guaranteed delivery is available. This is an additional \$4.00 charge. Please specify AM delivery on order form. The above rates apply to single box shipments that are less than 50 lbs. Please call for shipping quote on packages greater than 50 lbs.

U.S. Mail:

- First Class Mail - approximately 12% of the total order (\$4.00 minimum), carrier delivery 7-10 working days

FOREIGN: Canada, and all others non-domestic

Normal shipping methods are via air mail or parcel post, depending on the size and weight of your package. If you have a preference, please specify.

Shipping and Handling:

- Add 25% of the total order • Charges will vary by weight
- Insurance: \$3.00 (only where postal regulations allow)
- Not responsible for cash sent with orders or uninsured shipments
- Payment: Credit card (VISA or MasterCard), cashier's check or money order (U.S. funds only payable through a U.S. bank)

DAMAGE or SHORTAGE CLAIM

Please inspect all shipments and note any visible damage on the delivery receipt before signing. In case of concealed damage or loss, retain all packing material for inspection by the carrier. Any damage, loss, shortage or other discrepancy with your requested order must be reported within 10 days of receipt. Jameco will not be responsible for damaged parcels which are not inspected by the carrier.

RESTOCK CHARGE

If parts are to be returned to Jameco due to customer error, customer may be subject to a 15% restock fee plus postage on such returned parts. This includes duplicate shipments, refused/unclaimed shipments, etc.

CONFIRMING ORDERS

PLEASE DO NOT SEND CONFIRMING ORDERS. If company policy necessitates a confirming order, please mark "CONFIRMING" boldly on the order. If problems or duplicate shipments occur due to an order which is not properly marked, customers will be held responsible for any charges incurred, including a 15% restock charge and freight charge on returned orders.

WILL CALL SERVICE

Will Call is available Monday through Friday (excluding holidays) 8:00 A.M. to 5:00 P.M. Orders must be placed two hours prior to pick-up and before 3:00 P.M. (for same day pick-up), so we may process the necessary documents.

SERVICE

RETURNED PRODUCT

Customers wishing to return merchandise for a refund, credit and/or exchange must do so within 30 days from the date of order. Returns must be shipped prepaid. Sorry, no freight collect packages accepted. A copy of the Jameco Customer Service Form (located on the back of the packing slip) is required to process your return - no RMA (Return Material Authorization) is necessary. Please complete the Customer Service Form stating the reason for the return and action to be taken. Requests for refunds will be limited to 30 days from the date of order. Merchandise returned must be in original, new condition and be accompanied by all original packaging, documentation and accessories. Returns after 30 days, or without complete packaging, will be accepted only for exchange of defective product under the terms of our limited warranty. Jameco reserves the right to refuse merchandise or to impose a 15% restocking fee for any returns not meeting the above requirements, or for returns due to customer error including refused or unclaimed orders. (Books, software, grab bags and special orders are not returnable.)

JAMECO LIMITED WARRANTY: DEFECTIVE PRODUCTS

Jameco warrants all merchandise against defects in material or workmanship for a period of 60 days from date of purchase unless otherwise stated. Longer and/or broader warranties may be provided by the manufacturer of a particular product. Jameco's warranty is limited to the replacement or repair of the defective item at no charge if we determine such item to be defective. Defective items must be shipped prepaid. The foregoing remedy is customer's only remedy for breach of this limited warranty. This warranty shall not apply to any item if defects have been caused by improper customer assembly, failure by customer to follow instructions, product modification, negligent or improper operation. Modification, repair or attempted repair by anyone other than Jameco without the prior written permission of Jameco will void this limited warranty.

IMPORTANT DISCLAIMER

To the fullest extent permitted by applicable law, Jameco expressly disclaims the implied warranty of fitness for a particular purpose. Customer should understand that Jameco does not make any representation that products purchased will suit customer's particular purpose. Customer must rely on customer's own skill or judgement in selecting suitable products for customer. To the extent any implied warranty is applicable, such warranty shall be limited to 60 days from the date of purchase.

LIMITATION OF LIABILITY

Jameco's liability shall be limited to the repair or replacement of defective products in accordance with the Jameco limited warranty. Jameco shall not be liable for any incidental, special or consequential damages for breach of any warranty, expressed or implied, directly or indirectly arising out of Jameco's sale of merchandise, including any failure to deliver any merchandise, or arising out of customer's installation or use, whether proper or improper, of the product, separately or in combination with other equipment, or from any other cause.

CUSTOMER SERVICE ASSURANCE PROGRAM

In order to ensure our customers receive the best possible service, Jameco Customer Service Supervisors randomly monitor telephone conversations between customers and our employees. These conversations will not be recorded in any manner.

CUSTOMER NUMBERS

A Customer Number is issued to all persons who place an order with Jameco. This number will be shown on your catalog mailing label or on a recent packing slip. To expedite all orders and correspondence, please reference your Customer Number.

For expedient order placement, mention your V.I.P. number located above mailing address-back cover.



Order Toll-Free Anytime!

1-800-831-4242

1355 Shoreway Road, Belmont, CA 94002
Fax: 1-800-237-6948 BBS: 415-637-9025

See opposite page for Ordering Information.

1 Customer Number:

If you've previously ordered, your six digit customer number will be located above your mailing address on the back label.

2 Ship To:

Company _____
Name _____ Title _____
Suite/Department _____
Street Address or P.O. Box _____
City _____ State _____ ZIP _____
() _____
Daytime Phone No. Important! _____
() _____

Bill To:

Company (If different than Ship To) _____
Name _____ Title _____
Suite/Department _____
Street Address or P.O. Box _____
City _____ State _____ ZIP _____
() _____
Daytime Phone No. Important! _____

V.I.P. No.

FOR OFFICE USE ONLY

#

3 Is this purchase for: ☐ Personal ☐ Business

4 To whom should we send the next catalog? (Your signature is required below)

☐ Ship To Address ☐ Bill To Address ☐ The address below:

Company _____
Name _____ Title _____
Suite/Department _____
Street Address or P.O. Box _____
City _____ State _____ ZIP _____
() _____
Daytime Phone No. Important! _____
Signature _____

5 Billing Information:

Purchase Order No.: _____ (If Applicable)

Method of Payment:

☐ Prepaid (check enclosed) ☐ C.O.D. (\$5.00 service charge)
☐ Credit Card ☐ Net 30 Days (Account must be previously established. Authorized purchase order number required.)

Credit Card users only:



Credit Card Number
Expiration Date : Month Year

Name as it appears on the card (please print)

Authorized Signature Required

6

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION	PAGE NO.	WEIGHT (LBS.)	UNIT PRICE	TOTAL
1							
2							
3							
4							
5							
6							
7							
					TOTAL WEIGHT		

\$5.00 Processing Fee for all orders under \$25.00*

7 Please Specify Shipping Method:

- ☐ **UPS Ground** (6-10 working days)
\$5.00 for 1st 2lbs., \$0.50 for each additional lb.
- ☐ **3 Day Air Service**
\$6.00 for 1st 2lbs., \$1.00 for each additional lb.
- ☐ **2 Day Air Service**
\$10.00 for 1st 2lbs., \$1.50 for each additional lb.
- ☐ **Next Day Air Service** - 3:30 p.m. delivery
\$14.00 for 1st 2lbs., \$1.50 for each additional lb.

See opposite page for other shipping methods and conditions of sale.
*Delivery time as stated by carrier. Shipping rate is based on a single package shipment.



This order form is printed on recycled paper.



Thank you for
your Order!

SUB-TOTAL

Data Sheets \$1.00 each

Please Add
Applicable Sales Tax
(California Only)

Shipping and
Insurance (See Item 7)

C.O.D. (add \$5.00)

*Add \$5.00
if order under \$25.00

Credit Memo (-)

TOTAL

FAX Toll Free 1-800-237-6948 International FAX 415-592-2503

Please attach check or money order here.
Fold, insert into envelope and mail.



CUT HERE

CLOSEOUT



28505

Modems/FAX and Accessories

Part No.	Product No.	Description	Price
17005	FAX	9600 BAUD fax	\$39.95
17021	FAXMX	2400 BAUD external fax/modem.....	69.95
17030	FAX96	9600 BAUD fax w/auto on/off power box.....	69.95
28505	PF96	9600 BAUD Perfect Fax Plus fax	79.95
36708	1200B*	1200/300 BAUD internal modem	29.95



19502

Power Supplies

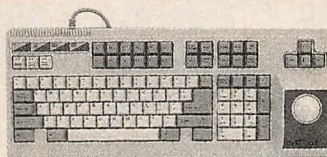
Part No.	Product No.	Description	Price
19502	JE1032*	AT, 200W power supply	\$69.95
79370	PS79370	AT, 230W power supply	74.95



10479

Monitors

Part No.	Product No.	Description	Price
10479	AMBER*	12" Amber monitor	\$89.95
29479	RE5155*	14" VGA monitor.....	249.95
78625	140030LR*	14" Low radiation VGA monitor	299.95



66907

Input Devices

Part No.	Product No.	Description	Price
18788	HS3000P*	DFI Handy scanner.....	\$99.95
66907	JE2017*	Trackball keyboard	79.95
20482	JE2018*	32-key keypad.....	29.95
26585	MSER*	Serial mouse.....	59.95
32328	STMAN*	Serial Trackman.....	69.95
32344	STYLUS	2 button stylus.....	29.95

* Tested, repaired units; 60-day warranty

CLOSEOUT



12MHz 80286 Laptop

- 6MHz or 12MHz operation
- 80C286 CPU and Chips and Technology NEAT® CHIPSet™ for low power consumption
- FCC Approved
- Norton SI rating of 13.4
- 20Mb Hard Disk Drive (hard disk on/off button) and 3.5" 1.44Mb High Density Floppy Disk Drive
- One 8-bit and one 16-bit (1/2 length) expansion slot for additional add-on cards
- Two serial ports and one parallel printer port
- 1 Mb RAM included, expandable to 5Mb RAM
- AMI BIOS ROMs
- Includes MS-DOS 3.3, GWBASIC 3.2 and complete instruction/reference manuals
- Unit includes: JLT286 laptop, AC adapter, keyboard/serial adapter cables, MS-DOS 3.3 system diskette (and manuals), handy carry bag and computer user's guide
- Weight: 16.0 lbs.
- Size: 12.76" L x 16.1" D x 3.15" H

Part No.	Product No.	Description	Price
21901	JLT286*	12MHz 80286 laptop	\$499.95

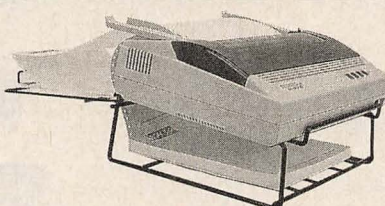
* Tested, repaired units; 60-day warranty

Niche Tek 9600 bps FAX board

- For PC/XT/AT/386

- and compatible
- 9600 or 4800 bps Communication Rate
- CCITT Group III
- Automatically turns computer On when receiving FAX and Off when finished
- Scanning feature: Can be used with any scanner that can be configured to one of the following I/O ports, 200H, 210H, 300H and 310H
- Multiple telephone directories, scheduling system and transaction log
- Display/Zoom/Reduce and Invert received FAX images
- Memory resident software runs in background until a FAX is received
- Includes phone cord, auto On/Off power box, software and manual
- One year Manufacturer's Warranty

Part No.	Product No.	Description	Price
17030	FAX96	Niche Tek fax board	\$69.95



Compact Printer Stand

- Printout stacks in document tray automatically
- Document tray folds up in tight working areas
- Durable, black safety coated steel construction
- 132 column model - 17.5"W

Part No.	Product No.	Description	Price
20271	JE1206	132 Column Printer Stand	\$9.95

CLOSEOUT

Panasonic Laser Printer

- 28 internal fonts (14 portrait and 14 landscape)
- HP LaserJet Series IIP emulation
- 512K of RAM expandable to 4.5MB
- Print speed: up to 5 ppm
- 200 sheet multi-purpose input cassette
- 100 sheets face down output tray for collated output
- EZ Set™ front panel with 16 character LCD
- Weight: 30.9 lbs.
- Dimensions 14.6" L x 15.5" W x 9.3" H

Part No.	Product No.	Description	Price
73867	KXP4410	Laser printer.....	\$729.95

Panasonic KXP4420 Laser Printer

- 8 ppm
- 300 dpi resolution
- Industry standard HP LaserJet Series II emulation
- 512K RAM standard • 22 internal fonts

Part No.	Product No.	Description	Price
22496	KXP4420	Laser printer.....	\$649.95

Panasonic Printer Supplies

Part No.	Product No.	Description	Price
22437	KXP115	Black printer ribbon for KXP1180/1180i/1191/1695	\$11.95
22488	KXP431	Envelope cassette for KXP4420	49.95
22453	KXP145	Black printer ribbon for KXP1123/1124/1124i.....	11.95

Parallel Printer Server

- Connects four computers with two printers
- Input ports: 3 parallel, 1 serial
- Output ports: 1 parallel, 1 serial

Part No.	Product No.	Description	Price
34198	UG501P	256KB Parallel Printer Server (expandable to 3MB)	\$199.95

Adapter for Apple IIc Disk Drives

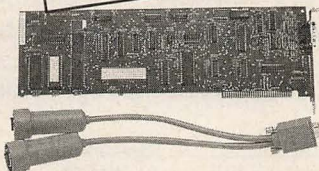
- S20-pin header to DB19-pin connector module adapts II/II+ drives for Apple IIc

Part No.	Product No.	Description	Price
10022	AAM	Apple IIc Adapter	\$3.95

Miscellaneous

Part No.	Product No.	Description	Price
35220	XY27	3/16" round tip for XY1683 and XY2660 soldering stations.....	1.95
22007	JN3161M	1 MB Memory Upgrade for Jameco JN316X 386SX Notebook.....	49.95
100790	—	6' 50 Conductor Socket Ribbon cable assembly	5.99
16336	DS114T	.125" desoldering tip for Weller DS600 station.....	11.95
93139	KXP2180	Panasonic 9-pin Dot Matrix Printer	179.95
103173	AD5126	9-Watt Linear Tabletop Power Supply	19.95

Local California patrons... visit our Will Call office for special discounted products.



Connectronix Emulation Card

The CC 7251 Plus Card allows your PC and PC printer to emulate various IBM displays and printers connected to host IBM systems 34/36/38/AS-400 (S/3X-400). This is important because the PC and S/3X-400 are completely different computer systems, each with unique communications methods, software languages and cabling connections. Thus they are incompatible without the CC 7251 Card. The CC7251 Card allows these two dissimilar systems to fully communicate with one another.

• FCC Class B • Made in the USA • One-year warranty

Part No.	Description	Price
69382	IBM system 34/400 Emulation Card	\$399.95

Software

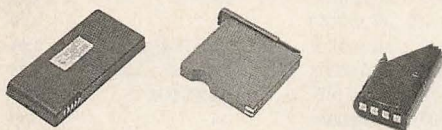
Part No.	Description	Price
93446	PFS: Window Works (Windows)	\$44.95
93454	PFS: Resume & Job Search Pro (DOS)	\$44.95
93462	Eight-in-One (DOS).....	\$44.95
93471	Easy Working- Typing Teacher (DOS)	9.95
93489	Easy Working- The Writer (DOS).....	9.95
93497	Easy Working- Desktop Publisher (Windows)	39.95
93500	Easy Working- Spreadsheet (Windows)	34.95
93518	Easy Working Address Book/Label Maker(DOS)	34.95

Jameco Plastic Guides



- Plastic guides for securing expansion cards to case
- Compatible with most case styles

Part No.	Product No.	Description	Price
28231	PCG	Guide	\$2.25

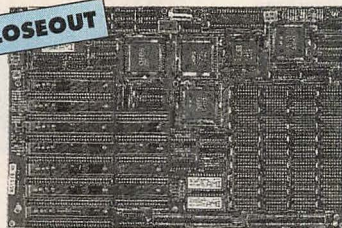


Xtend Micro Products Replacement Laptop Batteries

It's easy to take state of the art electronic devices for granted, until the battery fails. Although all batteries must eventually be replaced, it's nice to know today's Xtend batteries supply more power and last longer than the original energy cells shipped with yesterday's electronic devices.

Part	Product	Laptop/Notebook	Capacity	
No.	No.	Manufacturer	Model No.	Volts (mAh) 1-9 10-24
94852	LT137-0	Toshiba	T1000LESE XE, T1200XE	7.2 1800 \$64.95 \$59.95
95100	LT160-0	Toshiba	Satellite T1800 T1850, T1850C	9.6 1700 89.95 84.95
95046	LT141-0	Macintosh	140/145/160 170/180	6.0 2800 69.95 64.95
95062	LT136-0	Compaq	SLT286/386	12.0 2400 129.95 119.95
95071	LT120-4	Sharp	100, 4501, 4502, 4521, 4602, 4641	6.0 4200 34.95 31.95
95089	LT142-0	Bondwell	B200, B310 B310+	9.6 1800 59.95 53.95
95097	LT139-0	AST	Executive 386SX/20 & 25	4.8 5000 84.95 76.49
95118	LT106-4	NEC	Multispeed EL	9.6 2200 69.95 64.95
95126	LT105-4	NEC	Multispeed HD	9.6 2200 79.95 71.95

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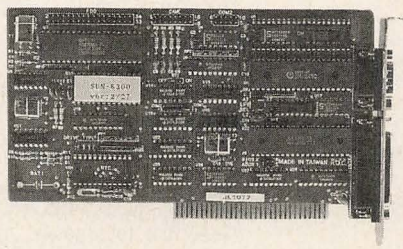


20984

Motherboards

Part No.	Product No.	Description	Price
20933	JE3005*	286, 12MHz Motherboard ...	79.95
20984	JE3010*	286, 16MHz Motherboard ...	89.95
21012	JE3011*	286, 20MHz Motherboard ...	94.95
21194	JE3516SN*	386SX, 16MHz Motherboard ..	99.95
21215	JE3520*	386, 20MHz Motherboard ..	149.95
21231	JE3525*	386, 25MHz Motherboard ..	189.95
21240	JE3525DN	386, 25MHz Motherboard ..	199.95
53903	JE3625DN*	386, 25MHz Motherboard ..	199.95
21354	JE3633*	386, 33MHz Motherboard...	229.95
75627	—	386, 40MHz Motherboard	239.95
97148	—	386, 40MHz Barebone system (includes motherboard, CPU, case, & power supply).....	249.95
97156	—	486SX, 25MHz Barebone system (includes motherboard, CPU, case, & power supply).....	279.95
79433	—	486, 33MHz Motherboard without CPU	149.95
79441	—	486, 50MHz Motherboard without CPU	229.95
93112	—	386DX, 33MHz Motherboard without CPU	149.95

* Tested, repaired units; 60-day warranty



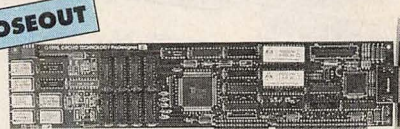
Multi I/O with Floppy Controller for PC/XT/AT and Compatible Computers

Features

- One RS232C serial communication port (expandable up to two use chip no. NS16450N or NS16550AN - see page 14;
- COM Ports: (Primary): 1; (Optional secondary): 2
- Game port
- Floppy disk drive controller capable of handling up to two 360Kb, 720Kb, 1.2Mb or 1.44Mb drives
- Parallel printer port
- Manual and cables included

Part No.	Product No.	Description	Price
19924	JE1077*	Multi I/O & Controller for AT	\$29.95

CLOSEOUT



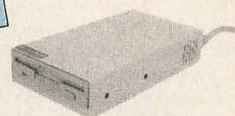
19772

Computer Cards

Part No.	Product No.	Description	Price
69593	—	Sound Blaster w/Midi....	\$199.95
19692	JE1050*	Monochrome graphics card	29.95
19772	JE1058*	Super VGA graphics card ...	59.95
19861	JE1066*	Super I/O Plus card	59.95
20036	JE1083*	2MB memory card (ØK)...	89.95
20052	JE1084*	8MB Memory card (ØK) ..	99.95
24862	MB4320*	512KB Intel memory expansion board.....	139.95

* Tested, repaired units; 60-day warranty

CLOSEOUT



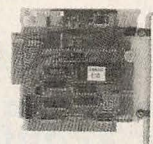
29111

Floppy and Hard Drives

Part No.	Product No.	Description	Price
22331	KL330	30MB RLL hard drive.....	159.95
14091	CP3104	120MB IDE drive.....	229.95
14111	CP3184	80MB IDE drive.....	199.95
79054	CP30204	200MB IDE drive.....	269.95
15907	DJ10	40/120MB tape backup	189.95
29111	P12*	1.2MB, 5.25" external floppy drive	149.95
29129	P144*	1.44MB, 3.5" external floppy drive.....	199.95

* Tested, repaired units; 60-day warranty

CLOSEOUT



19625

Controllers

Part No.	Product No.	Description	Price
35060	XTGEN	XT MFM controller	\$49.95
19625	JE1043*	Two-drive floppy controller	29.95
19676	JE1049*	Four-drive floppy controller	34.95
20562	JE2042	ESDI FD/HD controller	49.95
22736	LCS6622*	FD/HD, AT, MFM controller	69.95
36564	1003VMM1*	AT, MFM hard controller	49.95
36572	1003VMM2*	AT, MFM hard/floppy controller	69.95
36581	1003VSR1	AT, RLL hard controller.....	49.95
36628	1006VMM2*	AT, MFM hard/floppy controller	129.95
36636	1006VSR1*	AT, RLL hard controller.....	69.95
16483	DTCT287	AT RLL hard/floppy controller..	79.95
36644	1006VSR2*	AT, RLL hard/floppy controller ...	89.95

* Tested, repaired units; 60-day warranty

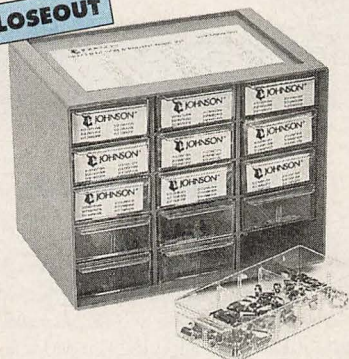
Second Serial Port Kits

- Kit contains all components and instructions for adding a second serial port
- Some soldering required

Part No.	Product No.	Description	Price
32301	SSP5	For software/hardware supporting the 16550 UART ..	\$24.95

Local California patrons... visit our Will Call office for special discounted products.

CLOSEOUT



Spacer Design and Prototyping Kit

Aluminum, Brass, Stainless Steel, and Nylon Spacers

Kit contains an assortment of 1080 spacers in 1/8", 1/4", 3/8", 1/2", 3/4", and 1" lengths with thread sizes of 4-40 and 6-32 or clearance holes for #4 and #6 screws. 10 or 25 pieces of each part number. Includes round tubular and threaded, hex threaded, male/female and swage types. 435 brass spacers, 450 aluminum, 120 stainless steel and 75 nylon spacers.

Part No.	Description	Price
77497	Spacer design and prototyping kit.....	\$249.95

Aluminum Round Tubular Spacers

Part No.	Thread Size	Clearance	Length	1-99pcs	100pcs.
76785	—	6 (.140)	.125	\$0.08	\$0.05
76793	—	6 (.140)	.250	.10	.07

Aluminum Hex Threaded Male/Female Spacers

77614	6-32	—	.625	\$0.25	\$0.19
77631	6-32	—	.875	.25	.19

Aluminum Round Threaded Spacers

77278	4-40	—	.625	\$0.19	\$0.15
77294	4-40	—	.875	.25	.19
77331	6-32	—	.625	.19	.15
77358	6-32	—	.875	.19	.15

Adapter Card for Xender XP6000 Series EPROM Programmers

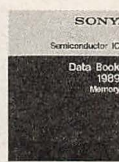
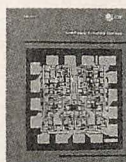
Part No.	Product No.	Description	Price
34884	XP6000A	Adapter Card.....	\$19.95



JAMECO SIPP to SIMM Module Converter

- Use SIPP's in place of SIMM's
- Upgrade from a SIPP Motherboard to a new SIMM Motherboard without buying new RAM
- Fits into standard 30 pin SIMM socket
- Double sided board for reliable operation
- Size: 1.6" max. height x 3.5" width (with 9 chip SIPP installed)

Part No.	Product No.	Description	Price
93382	JE430	SIPP to SIMM Converter.....	\$9.95



Books

Part No.	Product No.	Description	Price
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AT&T Books

51756	80002	Standard Cells and Function Blocks (0.9 µm CMOS Technology) (1990) 500pg.	\$1.95
51764	80003	Low Power Schottky Devices (1987) 109pg.	2.95

Hearst Publishing 1992 IC Master

65576	ICM92	3 Volume set; size: 8.5" x 11"; weight: 7lbs.	\$119.95
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Hitachi Books

75475	—	Power and Disk Drive I.C. Data Book (1990) 624pg.	\$4.95
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McGraw Hill Books

73710	—	Microsoft Word for Windows 2 Made Easy (1992) 303pg.	\$14.95
53209	881477	Databook, PC's Made Easy (1989) (319 pg.)	4.95
53276	881604	Hard Disk Handbook (1990) 787 pgs.	19.95
53330	881693	Guide to 386 Computing (1991) 366 pgs.	9.95

Mitsubishi Books

79337	—	Semiconductors-Single-Chip 8-Bit Microcomputers (1989) 970pg.	\$2.95
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OKI Books

42542	60005	Microcontroller Data Book (1990-1991) 525pg.	\$4.95
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Tab Books

73681	—	Build your own 386/386SX (1992) 227 pgs.	\$19.95
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Toshiba Books

79302	—	Nonvolatile Memory (1990) 288pg.	\$1.00
79311	—	C2MOS Logic TC74HC/HCT Series (1991/1992) 905pg.	9.95
79345	—	StaticRAM (1990) 316pg.	1.00

Miscellaneous Books

43721	70001	Sony Memory Data Book (1989) 153pg.	\$1.00
87919	—	Lattice GAL Data Book (1986) 188pg.	4.95

Crimping Tool



- Heavy-duty metal crimping tool w/cutter
- For computer pins & sockets, D-sub 28-26 AWG wire
- For butt-insulated connectors, 26-22 AWG wire
- For telephone spade lugs, 26-22 AWG wire
- For non-insulated connectors, 22-20 AWG wire
- For non-insulated connectors, 18-14 AWG wire
- Red insulated handles • Coiled spring return
- Dimensions: 7.25" L x 1.5" W

Part No.	Product No.	Price
99442	H202A	\$8.49

Miscellaneous IC's

To order ask for Lorena (ext. 381) or James (ext. 350)

Dual-In-Line Package (DIP)

Qty	Product No.	Manufacturer	Price
47	CY7C168-25PC	CYPRESS '89	\$6.95
7	ICM44C64-80	AGSN '91	3.95
9	ICM44C64-70	AGSN '92	4.95
10	TC55464P-20	TOSHIBA '90	3.95
23	TC55328P-20	TOSHIBA '90	5.95
9	AS7C164-20PC	ALLIANCE '92	5.95
8	MT5C6405-15	MICRON	4.95
8	MCM6290P25	MOTOROLA	6.95
8	TC55417P-25	TOSHIBA	7.95
8	CXK5465P-25	SONY	4.95
9	TC5588P-25	TOSHIBA	4.95
5,000	KM428C256T-9	SAMSUNG	Call
103	TC9142P	TOSH '83	3.95
903	ULA5RB061	FER '85	1.49
81	WD2010J-AL	W.D. '84	3.95
575	SP3467QDB	RAY '84	3.95
50	A24H80TC	FSC '87	3.95
34	74F161APC	NSC '90	1.95
35	DM74S09N	NSC '90	.89
19	AM21L49-55DC	MD '86	6.95
14	DP8464BN-3	NSC '87	.89
30	C23131E	IC '84	19.95
14	DP8460N-4	NSC '84	3.95
80	DS3697N	NSC '87	3.95
39	CS3770	CHERRY '87	.99
143	UM2128-3	UNITED MICRO '85	2.49
113	UM2128-1	UNITED MICRO '85	2.49
200	UM2128-2	UNITED MICRO '85	2.49
166	EA42310-5	ELECT ARRAY '78	1.49
166	EA4253-5	ELECT ARRAY '79	1.49
90	RC4444PLL	RAY '79	14.95
250	UM2147	UNITED MICRO '85	3.95
1,200	6305J (74S570N)	MMI '78	3.95
1,356	6348-1J (74S573J)	MMI '80	3.95
352	FCM7010	FSC '76	1.25
1,477	AY-3-8700-1	GI '78	.79
129	MK50252N	MOSTEK '76	1.95
418	TIL157/698	TI '92	1.25
1,616	SIL4911BE	SILICONIX '75	.49
500	MPREF02	'84	.39
264	H11B	GE	.49
57	H11G1	GE	.49
100	UM6116-4	UNITED MICRO '85	1.49

Surface-Mount-Package (SMT)

Qty	Product No.	Manufacturer	Price
5	80C286-16 (PGA)	HARRIS '88	\$19.95
9	ICM41000-80 (SOJ)	AGSN '92	4.95
10	N80C194	INTEL '86	12.95
96	MP7682JS	MICRO '89	4.95
150	74AC04	NSC	.89
46	DM7407M	NSC	1.95
20	74S41	SIG '86	.89
30	CXK581000M-10L	SONY	4.95
28	N27C64-1	INTEL '90	7.95
22	27C64A-15	SIG '89	7.95
67	27C256-12	ATMEL '91	3.95
164	27C256-15	SIG '90	3.95
19	27C256-120	AMD '86	4.95
127	SAHCT05	SIG	.69
7	N27C256-1	INTEL '85/'86	4.95
5	CDM6116AM3	RCA	1.75
25	D4364G-15L	NEC '85	2.95
39	74HCT125D	PHIL '89	.99
31	KM6265ALG-10	SAM '93	3.95
111	DG211DY	SILICONIX '86	1.69
55	74HCT12	PHIL '89	.69
19	PC74HCT4520	HEF	.79

- Low acoustical noise rating
- Rating 115VAC @ 50/60Hz
- Rating 220VAC @ 50/60Hz
- Fan part number 16993 is an ideal replacement for the PC/XT power supply fan.
- Manufacturers may vary



15 NEW FANS!

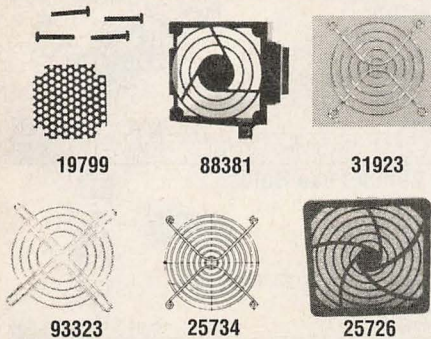
Part No.	Manufacturer	Product No.	L" x H" x T"	Voltage	CFM	Bearing	Current (mA)	Watts	Noise (dba)	Connection	1-9	10-99
BRUSHLESS DC FANS												
100896	Elina	FDC40-05M	1.50 x 1.50 x 0.75	5 VDC	6	Sleeve	375 mA	1.9	27	9" lead wires	\$8.95	\$7.95
102921	Sunon	KD0504PFS2	1.58 x 1.58 x 4.00	5 VDC	6.3	Sleeve	160 mA	.8	24.3	24" lead wires	8.95	7.95
102939	Sunon	KD1204PFS2	1.58 x 1.58 x 4.00	12 VDC	6.3	Sleeve	60 mA	.9	24.3	24" lead wires	8.95	7.95
102912	Sunon	KD1202PFS2	1.00 x 1.00 x 4.00	12 VDC	1.7	Sleeve	95 mA	1.1	26.5	24" lead wires	10.95	9.95
18770	Sanyo Denki	109P0412B704	1.60 x 1.60 x 0.62	12 VDC	6	Sleeve	60 mA	.7	22	3.5" lead wires w/conn	7.95	6.95
75344	Shicoh Giken	0420-12	1.60 x 1.60 x 0.80	12 VDC	4.6	Sleeve	150 mA	1.8	35	13" lead wires w/conn	8.95	7.95
104205	Panasonic	FBA06T12L	2.36 x 2.36 x 0.60	12 VDC	12	Hydro wave	130 mA	1.04	23.5	6" lead wires w/conn	7.95	6.95
75352	Sanyo Denki	109P0612M402	2.36 x 2.36 x 1.00	12 VDC	14	Sleeve	115 mA	1.4	27	2.5" lead wires w/conn	7.95	6.95
102947	Sunon	KD1206PTS1	2.36 x 2.36 x 1.00	12 VDC	21.7	Sleeve	190 mA	2.2	34	24" lead wires	8.95	7.95
75361	Mitsubishi	MMF08B12DM	3.15 x 3.15 x 1.00	12 VDC	24	Ball	105 mA	1.3	27	12" lead wires w/conn	8.95	7.95
16993	Jameco	FAN7	3.15 x 3.15 x 1.00	12 VDC	27	Ball	100 mA	1.2	25	12" lead wires w/conn	9.95	8.95
102955	Sunon	KD1208PTB1	3.15 x 3.15 x 1.00	12 VDC	37.5	Ball	230 mA	2.6	36	24" lead wires	10.95	9.95
75395	Rotron	ST12A3	3.15 x 3.15 x 1.25	12 VDC	34	Sleeve	280 mA	3.4	33	12" lead wires w/conn	9.95	8.95
75441	Matsushita	FBK09A12M	3.63 x 3.63 x 1.00	12 VDC	35	Sleeve	140 mA	1.7	27	6" lead wires w/conn	8.95	7.95
102963	Sunon	KD1209PTB1	3.63 x 3.63 x 1.00	12 VDC	51.5	Ball	230 mA	2.6	34.5	24" lead wires	10.95	9.95
75467	Japan Servo	CUDC12B4	4.68 x 4.68 x 1.00	12 VDC	53	Ball	600 mA	7.2	36	12" lead wires w/conn	10.95	9.95
102875	IMC (Boxer)	4710NL-04W-B50	4.68 x 4.68 x 1.00	12 VDC	90.0	Ball	570 mA	6.8	39	12" lead wires	11.95	10.95
94625	IMC (Boxer)	4715PL-04W-B10	4.68 x 4.68 x 1.50	12 VDC	75	Ball	500 mA	3.8	38	6.5" lead wires w/conn	12.95	11.95
100909	Elina	FDC40-24H	1.50 x 1.50 x 0.75	24 VDC	22	Sleeve	145 mA	1.7	27	13" lead wires w/conn	7.95	6.95
100925	TRW	D31-B13A-05W3-000	3.15 x 3.15 x 1.25	24 VDC	25	Ball	130 mA	3.1	31	12" lead wires w/conn	8.95	7.95
100933	Rotron	SD24B1	3.15 x 3.15 x 1.60	24 VDC	35	Ball	120 mA	3.1	38	12" lead wires w/conn	9.95	8.95
100941	IMC (Pewee)	3610PL-05W-B30-100	3.63 x 3.63 x 1.00	24 VDC	35	Ball	150 mA	2.4	32	12" lead wires w/conn	9.95	8.95
100950	IMC (Boxer)	4710PL-05T-B30-100	4.69 x 4.69 x 1.00	24 VDC	60	Ball	270 mA	2.88	34	Terminals	10.95	9.95
100968	IMC (Boxer)	4715PL-05W-B20	4.69 x 4.69 x 1.50	24 VDC	75	Ball	210 mA	4.8	38	13" lead wires	10.95	9.95
100976	IMC (Boxer)	4715RS-09T-B20	4.69 x 4.69 x 1.50	28 VDC	75	Ball	800 mA	10	43	Terminals	10.95	9.95

TUBE-AXIAL AC FANS

75408	Jameco	AT815S1	3.18 x 3.18 x 1.00	115 VAC	18	Sleeve	115 mA	8	38	13" lead wires	\$8.95	\$7.95
16969	Jameco	FAN3	3.15 x 3.15 x 1.50	115 VAC	22	Ball	110 mA	7	36	Terminals	9.95	8.95
16977	Jameco	FAN4	3.15 x 3.15 x 1.50	115 VAC	25	Ball	110 mA	7	40	12" wire leads	10.95	9.95
102904	Sunon	SF11580A-1083HBL	3.15 x 3.15 x 1.50	115 VAC	28	Ball	150 mA	14	35	24" lead wires	12.95	11.49
75432	Minebea	3608PS-12W-B30	3.63 x 3.63 x .800	115 VAC	47	Sleeve	80 mA	5.8	27	12" lead wires	10.95	9.95
75459	IMC (Mini)	3610PS-12T-B10	3.63 x 3.63 x 1.00	115 VAC	30	Ball	70 mA	5.5	25	Terminals	10.95	9.95
16934	Jameco	FAN1	4.68 x 4.68 x 1.50	115 VAC	90	Ball	210 mA	10	39	Terminals	13.95	12.49
16951	Rotron	FAN2U (USED)	4.68 x 4.68 x 1.50	115 VAC	90	Ball	210 mA	10	39	3.5" lead wires	5.95	4.95
102883	Sunon	SP100A-1123XBT	4.72 x 4.72 x 1.50	115 VAC	105	Ball	270 mA	22	49	24" lead wires	14.95	13.49
100917	IMC (Pewee)	3115FS-23W-B20	3.15 x 3.15 x 1.50	220 VAC	27	Ball	50 mA	5.9	34	13" lead wires	10.95	9.95
102891	Sunon	DP200A-2123XBT	4.72 x 4.72 x 1.50	220 VAC	105	Ball	130 mA	22	49	24" lead wires	15.95	14.49

Fan Guards and Filters

All guards, screens and filters fit all fans by matching the H" dimension. Example: 18770 fan height is 1.60", 19799 screen is 1.60".



Part No.	Description	1-9	10-99
19799	1.60"- Metal Screen w/ screws.....	\$1.09	\$8.99
88381	3.15"- Plastic Snap on Guard.....	1.49	1.15
31923	3.15"- Metal (Chrome) Guard.....	1.49	1.15
93323	3.63"- Metal (Chrome) Guard.....	1.49	1.15
25734	4.68"- Metal (Chrome) Guard.....	1.75	1.39
25726	4.68"- Plastic Filter w/ Mesh.....	2.49	1.95

JAMECO™ Fan Plug Cords



- Cord type: SPT-1 (2) conductor black
- Available in 3 lengths, see below
- Voltage rating: 300V
- Temperature range: 105°C

Part No.	Product No.	Description	1-9	10-99
28564	PLC	Straight 24" fan cord	\$1.29	\$1.09
104184	PLC48	Straight 48" fan cord	2.29	1.95
104192	PLC90	90" 24" fan cord	1.49	1.25

JAMECO™ Heatsink/Fan for 80486 CPU!

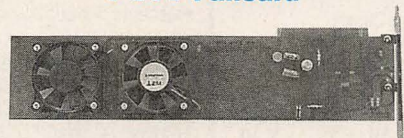


Keep your 80486 CPU cool!

- Installation is easy! Just snap it in without having to remove your CPU from the motherboard
- Size: 1.95"L x 1.95"W x .80"H • 6.3 CFM

Part No.	Description	1-9	10-24
67660	Heatsink w/fan	\$12.95	\$11.49

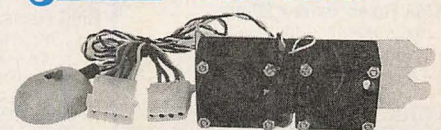
Tori Fancard



- Can be installed into any PC slot
- Circulates air directly on and around boards and components to prevent overheating
- Size: 13.4"L x 0.7"W x 3.3"H • 25 CFM
- One-year warranty

Part No.	Description	1-9	10-24
79020	Fancard	\$38.95	\$34.95

JAMECO™ Desert Cooler



- Installs on the back panel of your computer
- Cools down your computer by more than 80%
- Size: 5"L x 1.75"W x 1.5"H • 30 CFM
- One-year warranty

Part No.	Description	1-9	10-24
79011	Desert Cooler	\$44.95	\$39.95

Solderless Terminals

- Insulation thickness: .030"
- Funnel ramp entry
- Temperature to 105°C
- Use with Jameco crimping tool 72995 (right)

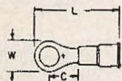


Figure 1

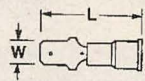


Figure 2

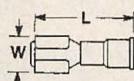


Figure 3

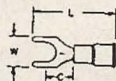


Figure 4

Ring Solderless Terminals

Part No	Product No.	Fig.	Description	Color	Wire Gauge AWG	Stud/Blade Size	1-99	100-999	1000
103683	RT6R	1	Ring Terminal	Red	22-16	#6.... .11	.065	.06	
103675	RT8B	1	Ring Terminal	Blue	16-14	#8.... .11	.065	.06	
103691	RT10Y	1	Ring Terminal	Yellow	12-10	#10... .17	.11	.09	

Disconnect Solderless Terminals

Part No	Product No.	Fig.	Description	Color	Wire Gauge AWG	Stud/Blade Size	1-99	100-999	1000
103659	DMT25R	2	Male	Red	22-16	.25W x .032T	.11	.065	.06
103641	DMT25B	2	Male	Blue	16-14	.25W x .032T	.11	.065	.06
103616	DMT25Y	2	Male	Yellow	12-10	.25W x .032T	.12	.07	.06
103561	DFT11R	3	Female	Red	22-16	.11W x .02T	.11	.065	.06
103667	DFT25R	3	Female	Red	22-16	.25W x .032T	.11	.065	.06
103579	DFT11B	3	Female	Blue	16-14	.11W x .02T	.10	.06	.05
103632	DFT25B	3	Female	Blue	16-14	.25W x .032T	.11	.065	.06
103624	DFT25Y	3	Female	Yellow	12-10	.25W x .032T	.13	.08	.07

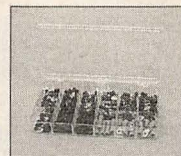
Spade Solderless Terminals

Part No	Product No.	Fig.	Description	Color	Wire Gauge AWG	Stud/Blade Size	1-99	100-999	1000
103587	ST6R	4	Spade Terminal	Red	22-16	#6	.11	.065	.06
103595	ST8B	4	Spade Terminal	Blue	16-14	#8	.11	.065	.06
103608	ST10Y	4	Spade Terminal	Yellow	12-10	#10	.17	.11	.09

NEW

Solderless Terminal Kit

- A variety of solderless insulated terminals and connectors organized in a clear, hinged box.
- Use with Jameco crimping tool 72995 (below)
- Box size: 8.25"L x 4.25"W x 1.25"H
- Contains 18 different types of terminals and connectors (170 total pieces), as follows:

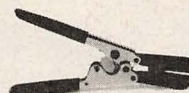


Quantity	Description	Color	Wire Gauge AWG	Stud/Blade Size
10	Male Disconnect Terminal	Red	22-16	1/4"
10	Male Disconnect Terminal	Blue	16-14	1/4"
10	Female Disconnect Terminal	Red	22-16	1/4"
10	Female Disconnect Terminal	Blue	16-14	1/4"
10	Ring Terminal	Red	22-16	#6
10	Ring Terminal	Red	22-16	#8
10	Ring Terminal	Red	22-16	#10
15	Ring Terminal	Blue	16-14	#6
10	Ring Terminal	Blue	16-14	#8
10	Ring Terminal	Blue	16-14	#10
5	Ring Terminal	Yellow	12-10	#10
5	Ring Terminal	Yellow	12-10	#14
10	Spade Terminal	Red	22-16	#6
10	Spade Terminal	Red	22-16	#8
10	Spade Terminal	Blue	16-14	#10
10	Butt Connector	Red	22-16	-
10	Butt Connector	Blue	16-14	-
5	Butt Connector	Yellow	12-10	-

Part No.	Product No.	Description	1-9	10-99
10989	A18K	Terminal/Connector Kit	\$9.95	\$8.95

Crimping Tool

- Heavy-duty metal crimping tool
- Crimps solderless terminals: 22-18 AWG red, 16-14 AWG blue, and 12-10 AWG yellow
- Ratchet action ensures proper crimp, 13 ratchets
- Tempered tool head
- Color-coded crimping jaw
- Coiled spring return



Part No.	Product No.	Description	1-9	10-99
72995	GIH303	Crimping Tool	\$19.95	\$17.95

Fuses and Fuse Holders

Fast Acting Fuses



AGC/3AG Fuses: .25" x 1.25"

- 100mA-10 Amp (250V)
- 15 Amp-20 Amp (32V)

Part No.	Amps	1-4	10-99	100-999
69391	100mA...	.39	.29	.19
69403	250mA...	.39	.29	.19
10410	500mA...	.39	.29	.19
10372	1 Amp...	.29	.25	.15
10381	2 Amp...	.29	.25	.15
69438	3 Amp...	.29	.25	.15
10401	5 Amp...	.29	.25	.15
69454	7.5 Amp...	.29	.25	.15
69462	10 Amp...	.29	.25	.15
69471	15 Amp...	.29	.25	.15
69489	20 Amp...	.39	.29	.19

GMA Fuses: 5mm x 20mm

- Recommended for new design
- 125mA-3 Amp (250V)
- 5 Amp-10Amp (125V)

Part No.	Amps	1-4	5-99	100-999
103878	125mA...	.59	.45	.29
103886	250mA...	.59	.45	.29
102040	500mA...	.19	.15	.10
103894	750mA...	.19	.15	.10
103907	1 Amp...	.19	.15	.10
103915	2 Amp...	.19	.15	.10
103923	3 Amp...	.19	.15	.10
103931	5 Amp...	.19	.15	.10
103940	10 Amp...	.59	.45	.29

Slow Blow Fuses



MDL/3AG Fuses: .25" x 1.25"

- Slow blowing fuse
- Dual element glass tube
- 3 AG Glass tube (.25" Diameter x 1.25"L)
- 100mA-7.5 Amp (250V)
- 10 Amp-20 Amp (32V)

Part No.	Amps	1-4	10-99	100-999
69497	100mA...	.75	.59	.39
25654	250mA...	.75	.59	.39
25689	500mA...	.75	.59	.39
25638	1 Amp...	.75	.59	.39
25646	2 Amp...	.59	.45	.35
69534	3 Amp...	.59	.45	.35
25671	5 Amp...	.59	.45	.35
69551	7.5 Amp...	.59	.45	.35
69569	10 Amp...	.79	.65	.45
95556	15 Amp...	.79	.65	.45
95564	20 Amp...	.79	.65	.45

GMC Fuses: 5mm x 20mm

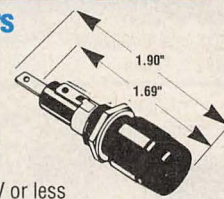
- Recommended for new design
- 125mA-2 Amp (250V)
- 3 Amp-10Amp (125V)

Part No.	Amps	1-4	5-99	100-999
103780	125mA...	.89	.79	.49
103798	250mA...	.89	.79	.49
103801	500mA...	.59	.55	.35
103819	750mA...	.59	.55	.35
103827	1 Amp...	.59	.55	.35
103835	2 Amp...	.59	.55	.35
103843	3 Amp...	.59	.55	.35
103851	5 Amp...	.59	.55	.35
103860	10 Amp...	.89	.79	.49

Jameco Panel Mount Fuse Holders

.25" x 1.25" Fuse Holder

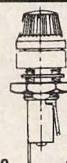
- Accepts standard .25" x 1.25" fuses including AGC and MDL fuses (left)
- Normal current carrying capacity: 20 amps
- D Style Mounting hole (.58" Diameter x .52" Flat)
- UL listed - Recognized under the component program of Underwriters Lab for 10 amps, 250V or less



Part No.	Product No.	Description	1-9	10-99	100-999
18702	HKP	.25" x 1.25" Fuse Holder...	\$.89	\$.79	\$.69

5 x 20mm Fuse Holder

- Accepts 5 x 20mm fuses including GMA and GMC series (left)
- 6A @ 250VAC
- Includes washer and rear hex nut
- Mounting hole .5" diameter x 1.46"L



Part No.	Product No.	Description	1-9	10-99	100-999
102824	5x20FH	Fuse Holder	\$1.19	\$.99	\$.79

5 x 20mm Low Profile Fuse Holder

- Accepts 5 x 20mm fuses including GMA and GMC series (left)
- 10A @ 250VAC
- Low profile, front mount
- D Style mounting hole (.5" diameter x 1.36"L)



Part No.	Product No.	Description	1-9	10-99	100-999
102832	5x20SFH	Fuse Holder	\$1.49	\$1.29	\$1.09

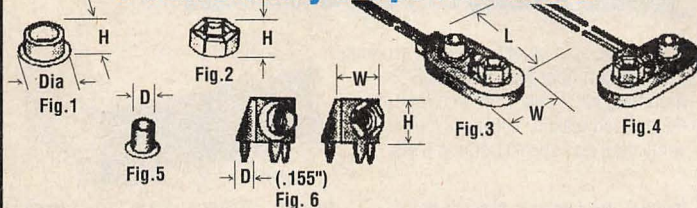
.25" x 1.25" Vertical PCB Mount Fuse Holder

- Accepts .25" x 1.25" fuses including AGC and MDL series (left)
- Do away with assembly and soldering.
- Kicked terminals increase stability
- Size: 1.84"L x .513" diameter



Part No.	Product No.	Description	1-9	10-99	100-999
103552	HBW	.25" x 1.25" Fuse Holder	\$1.95	\$1.49	\$1.25

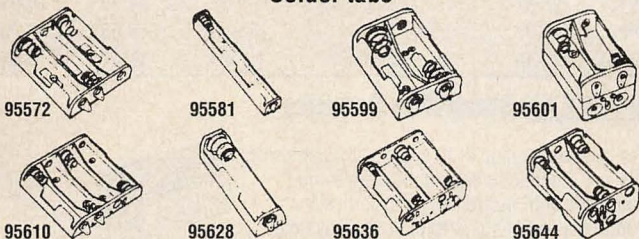
9 Volt Battery Snaps and Rivets



- Use with standard 9 volt batteries
- Fully insulated; contacts are nickel plated brass
- Snap: male outer diameter = 0.225"
- Leads are stripped and pre-tinned
- Leads are color coded
- Female inner diameter = 0.215"

Part No.	Product No.	Figure	Description	Size	1-9	10-99
101442	BCR	5	Mini rivet for snap (For Fig. 1,2)	.1" Dia	\$.03	\$.025
101434	BCM	1	Mini battery male snap (For. 101442)	.3" Dia x .131" H	.03	.025
101426	BCF	2	Mini battery female snap (For. 101442)	.338" Dia x .131" H	.03	.025
101418	BCPCB	6	PCB snap on, male and female (set)	.525" H x .385" W	.45	.39
11279	BC9	4	3", 26AWG, 6 prong battery snap	1" L x .5" W	.25	.19
101451	BC8	4	8", 26AWG, 4 prong battery snap	1" L x .5" W	.35	.25
101469	BC10	3	10", 26AWG, 4 prong battery snap	1" L x .5" W	.39	.29

Jameco AA Plastic and Aluminum Battery Holders



- Made of durable, black plastic; (87644) aluminum. Use "AA" size 1.5V batteries

Part No.	No of "AA" Batteries	Placement of Cells	Material	Dimensions (L x W x H)	1-9	10-99	100-999
95572	3	parallel	plastic	2.26" x 1.87" x .66"	\$.79	\$.59	\$.49
95581	2	series	plastic	4.25" x .66" x .43"	.65	.49	.39
95599	2	parallel	plastic	2.26" x 1.25" x .62"	.69	.59	.49
95601	4	parallel 2 on top, 2 on bottom	plastic	2.26" x 1.21" x 1.09"	.79	.59	.49
95610	4	parallel	plastic	2.26" x 2.5" x .62"	.79	.59	.49
95628	1	one cell	plastic	2.22" x .62" x .51"	.49	.35	.29
95636	8	parallel 4 on top, 4 on bottom	plastic	2.26" x 2.46" x 1.13"	1.19	.99	.79
95644	6	parallel 3 on top, 3 on bottom	plastic	2.26" x 1.76" x 1.09"	.99	.79	.69
87644	6	2 series x 3 parallel	aluminum	1.25" x .375" x .75"	.99	.79	.69

.25" PCB Fuse Clip

- Accepts .25" fuses including AGC and MDL series (left)
- Traditional PC Board type
- Dimensions: .25" W x .27" L x .33" H (w/out solder tabs)

Part No.	Product No.	Description	1-9	10-99	100-999
102841	3AGCFH	.25" Fuse Clip	\$.12	\$.11	\$.09

5mm Fuse Clip

- Accepts 5mm fuses including GMA and GMC series (left)
- Size: .21" W x .25" L x .37" H (w/out solder tabs)

Part No.	Product No.	Description	1-9	10-99	100-999
102859	5x20CFH	5mm Fuse Clip	\$.14	\$.12	\$.10

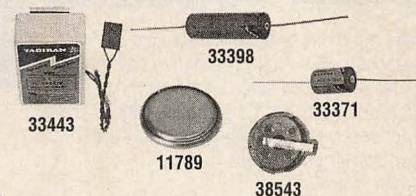
.25" x 1.25" In-Line Fuse Holder

- Accepts .25" x 1.25" fuses including AGC and MDL series (left)
- Wire length: 6.5" (each wire)
- Built-in spring ensures good fuse connection
- Vinyl covered wire with stranded copper center
- Size: 2.34" L x .63" diameter

Part No.	Product No.	Description	1-9	10-99	100-999
102867	3AGIFH	.25" x 1.25" Fuse Holder	\$.65	\$.55	\$.45

Tadiran Lithium Batteries

- TL5000 Series applications: personal computers, workstations, test equipment, feature telephones, copiers, fax machines, and video scramblers/descramblers



Part No.	Product No.	Description (V/Amps/Dia.)	Terminals/Connection	1-9	10-99
11789	BR2325	3V/165mAh/.906"		\$1.75	\$1.49
14162	CR2032	3V/180mAh/.787"		1.49	1.25
33371	TL5101P	3.6V/.85Ah/.579"	Tin-Plated Copper Wire	5.95	5.35
33398	TL5104P	3.6V/1.9Ah/.579"	Tin-Plated Copper Wire	7.95	6.95
33401	TL5135P	3.6V/1.5Ah/1.296"	Plug-in Nickel pins	7.95	6.95
33427	TL5242W	3.6V/1.9Ah	Battery Pack w / Plug	8.95	7.95
33435	TL5253C	6.8V/1.9Ah	Battery Pack w / Plug	12.95	11.49
33443	TL5293W	6.0V/1.9Ah	Battery Pack w / Plug	10.95	9.95

Coin Cell Battery Holders

38543	2S2325	Battery holder for BR2325	1.19	1.05
38535	2S2032	Battery holder for CR2032	.99	.85

Xtend Nicad and Alkaline Batteries

- Nickel-Cadmium batteries are rechargeable, sealed cells.
- Can be used in cyclic, trickle or float charge use. Recommend Jameco Battery Charger/Tester (73058)



Part No.	Product No.	Description	Fig.	Voltage	Type	1-9	10-99
101590	NCD 300AA	2/3 AA	1	1.2V 330mAh	Nicad	\$2.49	\$2.25
32627	S3300	AA	1	1.2V 500mAh	Nicad	2.49	2.25
101602	NCD 550AA	AA	1	1.2V 550mAh	Nicad	2.59	2.35
101611	NCD 1300SC	SC	1	1.2V 1300mAh	Nicad	4.95	4.49
32635	S3301	C	1	1.2V 1200mAh	Nicad	4.49	3.95
101629	NCD 2000C	C	1	1.2V 2000mAh	Nicad	7.95	7.49
101637	NCD 4500D	D	1	1.2V 4500mAh	Nicad	11.95	10.95
101653	NA101-1		2	3.6V 60mAh	Nicad	7.95	7.49
101645	AB101-0	2/3 AAA	1	12V 33mAh	Alkaline		
		Remote car alarm cell				1.39	1.25

Jameco Battery Tester

- Analog meter display
- Tests standard and button cell batteries
- Color: black
- Size: 2" L x 2" W x 1" H

Tests Batteries
AA D
AAA N
C 9 Volt



Part No.	Description	1-9	10-99
72979	Battery Tester	\$6.95	\$6.25

Jameco Battery Charger and Tester

- Analog meter display
- Tests and charges standard and button cells
- Color: beige • Size: 6.75" L x 2" D x 5.75" H

Tests and Charges
AA C
AAA D
9 Volt



Part No.	Description	1-9	10-99
73058	Battery Charger/Tester	\$14.95	\$13.49

CTP 6 Volt Rechargeable Battery Pack

AT/286/386/486 and compatibles

- Battery pack is constantly recharged when the computer is turned on
- Maintains SETUP configuration for up to one year
- Has an expected life of over 10 years
- BATPAC provides an additional disk drive power lead—no power connector is lost
- Size: 2.3" L x 2.3" W x 1" H

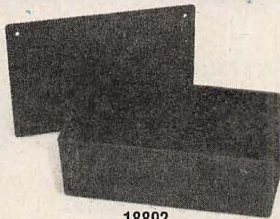


Part No.	Product No.	Description	1-9	10-24
11172	BATPAC	Battery Pack	\$34.95	\$31.49

JAMECO™ ABS Speedy Boxes

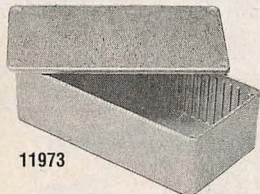
Will not crack or split when drilled or punched. PCB mounting slots on all four sides and the lid has a lip for precision fit (adds 0.4" height). Complete with four screws and lid. All sizes below are for interior dimensions.

Color: black



18892

Part No.	Product No.	Size (L x W x H)	Weight	1-9	10-99
18921	H2855	3.125" x 2.0" x 0.875"	1.5 oz.	\$2.25	\$1.95
18913	H2853	4.875" x 2.5" x 1.5"	3.4 oz.	2.49	2.25
18892	H2851	6.0" x 3.5" x 1.875"	5.8 oz.	2.95	2.49
18905	H2852	7.5" x 4.25" x 2.25"	8.8 oz.	3.49	2.95

JAMECO™ Die Cast Aluminum Enclosures

11973

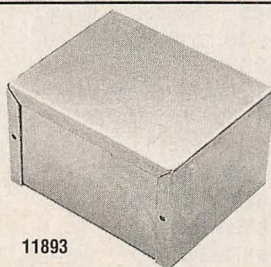
High quality die cast aluminum cases come with channelled walls for easy PCB mounting. Ideal for RF circuits because the lid forms an effective screen against RFI interference. Made from aluminum, an excellent heat-sink, these cases are great for circuits involving heat (up to 600°C). Complete with screws.

Part No.	Product No.	Size (L x W x H)	Weight	1-9	10-99
11957	B5002	3.9" x 2.0" x 1.0"	3.8 oz.	\$3.95	\$3.49
11965	B5004	4.7" x 2.4" x 1.6"	6.6 oz.	4.95	4.49
11973	B5006	7.5" x 4.3" x 2.4"	1.25 lbs.	8.95	7.95

JAMECO™ Aluminum Boxes

Ideal boxes for those weekend projects that get left laying around! Put them in an economical aluminum box. The boxes come in two pieces which slide together.

Part No.	Product No.	Size (L x W x H)	Weight	1-9	10-99
11869	B2300	4.3"x2.0"x2.8"	2.9 oz.	\$3.25	\$2.95
11885	B2320	5.0"x4.0"x3.0"	5.2 oz.	4.95	4.49
11893	B2335	7.0"x6.2"x4.6"	11.7 oz.	6.95	6.25

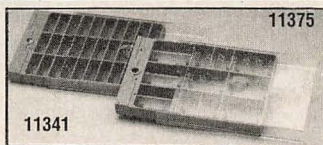


11893

III Bug Boxes

- Anti-static plastic
- Fits in bug cage (11332)
- (11341) Stores sixty 8-pin or thirty 16-pin DIPs
- (11375) Designed to store components
- Heavy duty plastic • Clear plastic cover • Color: blue
- Box size: 4.9"L x 3.3"W x .6"H • Weight: 1.75 oz.

Part No.	Product No.	Description	1-9	10-99
11341	BGX	Fixed: 30 individual compartments	\$3.25	\$2.95
11375	BLX	Adjustable: 3 compartments/6 vert. & 6 horiz. dividers	3.95	3.49



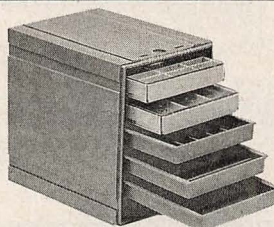
11341

11375

III Bug Cage

- Each cage has 6 slip-in locations to store bug boxes or trays
- Modular and interlocking
- Heavy duty injection molded plastic
- Color: blue
- Cage size: 5.0"L x 3.875"W x 5.125"H

Part No.	Product No.	1-9	10-99
11332	BGC	\$6.95	\$6.25



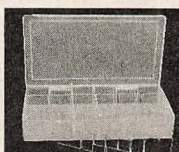
Shown w/bug boxes - not included

JAMECO™ Fliptop box

Great for organizing small items. Includes removable spacers that can be used to divide the box into 18 or less compartments. Hinged lid snaps securely into place. Ideal for storing components.

- Color/Materials: Clear plastic box with a clear plastic lid.
- Size: 8.4"L x 4.5"W x 1.4"H

Part No.	Product No.	Description	1-9	10-99
100255	B841A	Fliptop box	\$2.95	\$2.49

**JAMECO™ Heavy Duty Instrument Cases**

Both cases split apart for ease of working. Includes 4 rubber feet. Various PCB mounting positions; front and rear panels are molded plastic. 18876 includes ventilation and speaker sound slots.

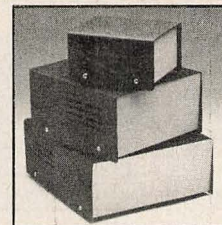


18868

Part No.	Product No.	Size (L x W x H)	Weight	Color	1-9	10-99
18868	H2505	7.9" x 6.3" x 2.5"	12.5 oz.	Gray ...	\$6.95	\$6.25
18876	H2507	10.0" x 7.5" x 3.1"	1.4 lbs.	Gray	8.95	7.95

JAMECO™ Metal Cabinets

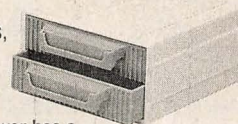
High quality metal cabinets are made to suit a large variety of electronics projects and applications. The base is made of aluminum. Slots are located on the sides of the cases for maximum cooling. Cases screw together and come with an attractive two-tone finish. Color: dark gray



Part No.	Product No.	Size (L x W x H)	Weight	1-9	10-99
11914	B2741	4.0"x3.3"x2.2"	5.9 oz.	\$4.95	\$4.49
11922	B2743	5.9"x5.3"x3.0"	13.9 oz.	5.95	5.35
11949	B2744	7.3"x6.3"x2.75"	1.1 lbs.	6.95	6.25

JAMECO™ Stackable Drawers

Uses include: storage of IC's, capacitors, resistors, tools and other components. Stackable and expandable both horizontally and vertically through the use of a precision dovetail system. Case measures 4.5"L x 4.38"W x 2.25"H. Each drawer has a large handle and an index card slot. Color: white case with blue drawers

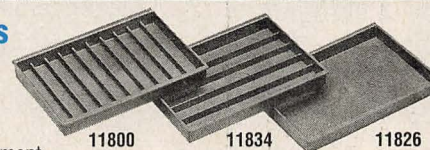


Part No.	Product No.	Description	Drawer Size (L x W x H)	Weight	1-9	10-99
11906	B2585	Two drawers	4.375" x 4.0" x 0.875" ea.	6.7 oz.	\$3.25	\$2.95

III Bug Trays

- Molded rigid plastic
- Fits in bug cage (11332)
- (11826) Open: 1 compartment measuring 4.6"L x 3.19"W x .44"H
- (11834) Vertical: 5 compartments measuring 4.6"L x .6"W x .44"H ea.
- (11800) Horizontal: 10 compartments measuring 3.19"L x .44"W x .44"H ea.
- Tray size: 4.813"L x 3.55"W x .5"H

Part No.	Product No.	Description	1-9	10-99
11826	BTO	Open Bug Tray	\$2.95	\$2.49
11834	BTV	Vertical Bug Tray	2.95	2.49
11800	BTH	Horizontal Bug Tray	2.95	2.49



11800

11834

11826

III Cage Cover

- Clear plastic snap-in cover seals and holds 6 bug boxes or trays inside the bug cage
- Size: 5"L x 3.875"W x .3"H

Part No.	Product No.	1-9	10-99
14331	CVR	\$4.95	\$4.49

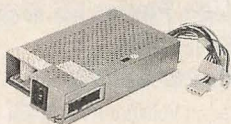
**JAMECO™ 20 Drawer Component Cabinet**

- Keeps all electronics components organized
- Includes 20 clear plastic drawers (85454)
- Includes 20 clear plastic dividers (85446)
- Includes 30 each plain adhesive I.D. labels-white (82456)
- Drawer can be divided into 4 sections
- Wall mountable cabinet • Case- ABS- Black
- Drawer size: 5.5"L x 2.69" W x 1.5" H • Cabinet size: 6"D x 15" W x 7.88" H

Part No.	Product No.	Description	1-9	10-99
81701	CAB20	Complete component cabinet	\$19.95	\$17.95
ACCESSORIES				
85454	81701Drawer	Replacement drawer for 81701 cabinet	.99	.79
85446	81701Divider	Extra dividers for 81701 cabinet	.49	.39
82456	81701ID	Extra labels for 81701 cabinet	3.95	3.49



Teapo 51 Watt Switching Power Supply

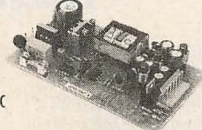


- Input: 110/220V switchable
- Compatible w/ 38050 power cord
- Size: 8"L x 4.5"W x 1.75"H
- Weight: 2.5 lbs
- 2.0A min load on +5V output

Output:
+5VDC @ 2.0-8.0A,
+12V @ 0.5A,
-5V @ 0.04A,
-12VDC @ 0.4A

Part No.	Product No.	1-9	10-24
96680	TP433B (400 available)...	\$19.95	\$17.95

Skynet 17 Watt Switching Power Supply

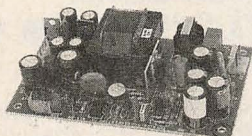


- Input Voltage: 85VAC to 270 VAC @ 47-440Hz
- Input Auto Ranging
- Input Connector: Male Molex 2 conductor
- Output Connector: Male Molex 6 conductor
- Weight: 0.25 lbs.
- UL/CSA/FCC approved
- Size: 5.11"L x 2.75"W x 0.945"H

Output:
+ 5VDC @ 2A,
+12VDC @ 0.3A,
-12VDC @ 0.3A

Part No.	Product No.	1-9	10-24
101362	SDA3021 (Stock item) ...	\$39.95	\$35.95

Computer Products 23 Watt Switching Power Supply



Output:
+5V @ 1.8A,
+15V @ .45A,
-15V @ .45A

- Input: 120VAC
- Input Connector: Male Molex 2 conductor
- Output Connector: Male Molex 6 conductor
- Size: 5"L x 3"W x 1.375"H • Weight: 0.5 lbs.

Part No.	Product No.	1-9	10-24
76611	PS9099 (1100 available)	\$12.95	\$11.49

Jameco 28 Watt Switching Power Supply

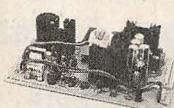


Output:
+5V @ 2A,
+12V @ 1.5A

- Input: 110VAC @ 0.5A, 250VAC @ 0.25A
- Input Connector: 3-pronged power cord receptacle-compatible w/ Jameco power cord 38050
- Output Connector: One 4-pin female power connector for 5.25" disk drives; one 2-pin male Molex connector for fan
- Size: 7"L x 5.875"W x 3.25"H • Weight: 3 lbs.

Part No.	Product No.	1-9	10-24
77981	PS1439 (900 available)	\$12.95	\$11.49

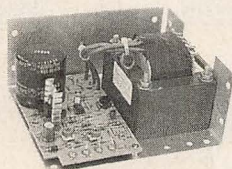
Power Switch Corp 28 Watt Switching Power Supply



Output:
+ 5VDC @ 4.3A,
- 5VDC @ 0.1A,
+12VDC @ 0.5A

- Input: 110VAC @ 60 Hz
- Input Connector: Male Molex 2 conductor
- Output Connector: one 2 conductor; one 4 conductor w/ connections and wires on output
- Size: 6.5"L x 4"W x 1.9"H • Weight: 0.5lbs.

Part No.	Product No.	1-9	10-24
98685	PS4030N (475 available)	\$19.95	\$17.95



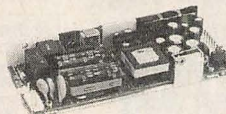
Acme 30 Watt Power Supply

- Input: 100/120/220/230/240 VAC @ 50/60Hz
- Input Connector: transformer solder lugs
- Output Connector: four solder posts
- UL/CSA Approved
- Size: 4.75"L x 4.75"W x 2.5"H • Weight: 4 lbs.

Output:
+5VDC @ 6.0A

Part No.	Product No.	1-9	10-24
28935	PS413 (200 Available)	\$12.95	\$11.49

Toko 31 Watt Switching Power Supply

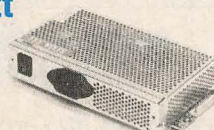


- Input: 120/240 switchable @ 50/60Hz 0.85/0.45A
- Auto switching
- No minimum load requirements
- UL/CSA Approved
- Input connector: one 3 pin Molex
- Output connector: one 7 pin molex
- Size: 6"L x 2.5"W x 1"H • Weight: 0.5 lbs.

Output:
+5V @ 3.0A,
-12V @ 0.33A,
+12V @ 1.0A

Part No.	Product No.	1-9	10-24
103510	MW30 (200 available)	\$19.95	\$17.95

Jameco 38 Watt Switching Power Supply

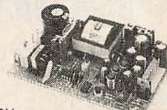


Output:
+5V @ 4.0A,
+12V @ 1.2A,
-12V @ 0.3A

- Input: 110V
- Input Connector: 3-pronged power cord receptacle-compatible w/ Jameco power cord 38050
- Output Connector: Male Molex 7 conductor
- Power Switch
- Size: 7.6"L x 4.25"W x 1.75"H • Weight: 1.5 lbs.

Part No.	Product No.	1-9	10-24
96698	DPS401A (120 available)	\$19.95	\$17.95

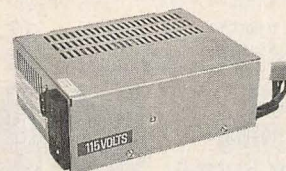
Skynet 44 Watt Switching Power Supply



- Input Voltage: 90VAC to 260 VAC @ 47-63Hz
- Input Auto Ranging
- Input Connector: Male Molex 2 conductor
- Output Connector: Male Molex 7 conductor
- Size: 5"L x 3"W x 1.18"H
- Weight: 0.5lbs. • UL/FCC approved

Output:
+ 5VDC @ 3A,
-5VDC @ 0.3A,
+12VDC @ 2A,
-12VDC @ 0.3A

Part No.	Product No.	1-9	10-24
101354	SNP9040 (Stock item)	\$49.95	\$44.95

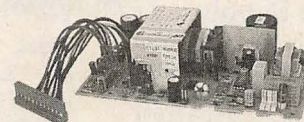


BSR 41 Watt Switching Power Supply

- Input: 115VAC @ 50/60Hz
- Input Connector: 3-pronged power cord receptacle-compatible w/ Jameco power cord 38050
- Output Connector: Female Molex 7 conductor
- UL/CSA Approved
- Size: 7"L x 5.25"W x 2.5"H • Weight: 2.8 lbs.

Output:
+5VDC @ 3.75A,
+12VDC @ 1.5A,
-12VDC @ 0.4A

Part No.	Product No.	1-9	10-24
28927	PS41012 (1000 available) ...	\$19.95	\$17.95



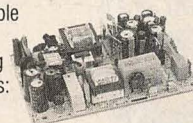
Tectrol 41 Watt Switching Power Supply

- Input: 115VAC @ 50/60Hz
- Input Connector: Male Molex 2 conductor
- Output Connector: Female Molex 12 position connector
- UL/CSA Approved
- Size: 7"L x 3.375"W x 1.75"H • Weight: 1 lb.

Output:
+5VDC @ 4.8A,
+12VDC @ 1.1A,
-5VDC @ .12A,
-12VDC @ .34A

Part No.	Product No.	1-9	10-24
28898	PS2407 (100 available)	\$19.95	\$17.95

Delta 42.5 Watt Switching Power Supply



- Input: 115/230VAC switchable @ 47-63Hz 1.2/0.54A
- Jumper selectable switching
- Minimum load requirements: 500mA @ 5VDC
- UL/CSA approved
- Input connector: one 3 pin, 2 conductor Molex
- Output connector: one 5 pin, 5 conductor Molex
- Size: 5.4"L x 3.5"W x 1.1"H
- Weight: 0.7 lbs.

Output:
+5VDC @ 2.5A,
-12VDC @ 0.5A,
+12VDC @ 2.0A

Part No.	Product No.	1-9	10-24
103958	SMP40 (214 available)	\$24.95	\$22.49

Sceptre 42.6 Watt Switching Table Top Power Supply

- Input: 100-250V switchable @ 50/60 Hz 1.2A
- Auto ranging
- No minimum load requirements
- UL/CSA approved
- Input connector: 3-pronged 115VAC power cord receptacle
- Output connector: one 5 pin male DIN connector-compatible w/ Jameco part no. 15843 or 29399
- 4' 3" DC supply cord • 5' 10" AC power cord
- Weight: 2 lbs.
- Size: 6"L x 3.38"W x 2.06"H • Color: Beige

Output:
+5V @ 3A,
-12V @ 0.3 A,
+12V @ 2.0 A

Part No.	Product No.	1-9	10-24
103544	PS303 (83 available)	\$19.95	\$17.95

43 Watt Switching Power Supply

- Input: 110/220V @ 60/50 Hz
- Three 4 pin right angle polarized header connectors with .01" square posts on .1" centers
- Weight: 1 lb.
- Size: 6.25"L x 4"W x 1.75"H

Output:
+5V @ 2.5A,
+12V @ 2.0 A,
-12V @ 5 A

Part No.	Product No.	1-9	10-24
66131	PS40 (400 available)	\$24.95	\$22.49

Jameco 45 Watt Switching Power Supply

- Input: 110V/220V @ 60/50 Hz
- Input Connector: Male Molex 2 conductor • Output Connector: Molex header connector-6 conductor
- Size: 5"L x 3"W x 1.6"H • Weight: .5 lbs.

Output:
+5V @ 3.0A,
+12V @ 2.0 A,
-12V @ 0.5 A

Part No.	Product No.	1-9	10-24
88401	PT4002 (stock item)	\$39.95	\$35.95

Zenith 47 Watt Switching Power Supply

- Input: 110 VAC
- Input Connector: Male Molex 2 conductor
- Output Connector: Three 4 conductor
- Size: 6.25"L x 4"W x 1.75"H • Weight: .5 lbs.

Output:
+5V @ 3A,
+12V @ 2.2A,
-12V @ .5A

Part No.	Product No.	1-9	10-24
78887	PS204 (150 available)	\$22.95	\$20.49

50 Watt Switching Power Supply

- Input: 115V @ 60Hz
- Input Connector: 2 conductor
- Output Connector: 8-pin rectangular post male header connector with 0.156" centers • UL/CSA Approved
- Size: 7.75"L x 4.25"W x 2"H • Weight: 1 lb.

Output:
+5V @ 6.0A,
+12V @ .5A,
-5V @ .5A,
-12V @ 1A

Part No.	Product No.	1-9	10-24
28871	PS9250 (250 available)	\$19.95	\$17.95

Amperor 53 Watt Switching Power Supply

- Input: 115-220VAC @ 47-63Hz
- Input Connector: Four spade lugs for power switch and one 3-pronged power cord receptacle-compatible w/Jameco power cord 38050
- Output Connector: Female Molex 8 conductor
- External power switch
- Size: 8"L x 5.75"W x 2.25"H • Weight: 1.5 lbs.

Output:
+5VDC @ 7A,
+12VDC @ 1.0A,
-12VDC @ 0.5A

Part No.	Product No.	1-9	10-24
65912	PS53 (1100 Available)	\$12.95	\$11.49

Jameco 54 Watt Switching Power Supply

- Input: 90-130VAC @ 47-440Hz
- Line regulation: $\pm 0.2\%$
- Ripple: 30mV peak-to-peak
- Load regulation: $\pm 1\%$
- Stability: 0.1% after 8 hours
- Overcurrent protection: 110-130% automatic current limiting
- Adjustment: 5V main output $\pm 10\%$
- Weight: 1.25 lbs. • Data included
- Size: 6.25"L x 3.88"W x 1.5"H

Output:
+5VDC @ 5.0A,
+12VDC @ 1.0A,
-5VDC @ 1.0A,
-12VDC @ 1.0A

Part No.	Product No.	1-9	10-24
17056	FCS604A (Stock Item)	\$49.95	\$44.95

Delta Electronics 59 Watt Switching Power Supply

- Input: 120-240VAC @ 47/63 Hz
- Input Connector: 3-pronged power cord receptacle-compatible with Jameco power cord 38050
- Output Connector: Female Molex 12 conductor • UL/CSA approved
- Input Auto Ranging
- Size: 8.75"L x 5.25"W x 2.75"H • Weight: 2.8 lbs.

Output:
+ 5VDC @ 6.0A,
- 5VDC @ 0.3A,
+12VDC @ 2.0A,
-12VDC @ 0.3A

Part No.	Product No.	1-9	10-24
28943	PS60FB1 (700 available)	\$24.95	\$22.49

Skyнет 57 Watt Switching Power Supply

- Input Voltage: 90VAC to 260 VAC @ 47-63Hz
- Input Auto Ranging
- Input Connector: Male Molex 2 conductor
- Output Connector: Male Molex 7 conductor
- UL/CSA/VDE/FCC approved
- Weight: .5 lbs.
- Size: 5"L x 3"W x 1.315"H

Output:
+ 5VDC @ 4A,
- 5VDC @ 0.1A,
+12VDC @ 3A,
-12VDC @ 0.1A

Part No.	Product No.	1-9	10-24
101397	SNP9F40 (Stock item)	\$54.95	\$49.49

High Power 65 Watt Switching Power Supply

- Input Voltage: 100-120VAC @ 50/60Hz, 2.0A
- Input Connector: 3 pronged power cord receptacle-compatible with Jameco power cord 38050
- Output Connectors: two 6 pin female Molex connectors-compatible with Jameco connector 78300; one 4 pin female power switch connector
- No minimum load requirements
- Weight: 2.5 lbs. • UL/CSA Approved
- Size: 6.75"L x 4.5"W x 2.5"H

Output:
+ 5VDC @ 7.5A,
- 5VDC @ 0.2A,
+12VDC @ 1.5A,
+12VDC @ 0.42A,
-12VDC @ 0.3A

Part No.	Product No.	1-9	10-24
101944	HPO9060S (550 Available)	\$24.95	\$22.49

Skyнет 66 Watt Switching Power Supply

- Input Voltage: 100VAC to 260 VAC @ 47-63Hz
- Input Auto Ranging
- Input Connector: Male Molex 2 conductor
- Output Connector: Male Molex 8 conductor
- Weight: 0.5 lbs.
- UL/CSA/FCC approved
- Size: 6"L x 3.5"W x 1.654"H

Output:
+ 5VDC @ 5.5A,
- 5VDC @ 0.5A,
+12VDC @ 2.5A,
-12VDC @ 0.5A

Part No.	Product No.	1-9	10-24
101371	SNP3160 (Stock item)	\$59.95	\$53.95

Power General 73 Watt Switching Power Supply

- Input Connector: 3 solder posts
- Output Connector: 4 solder posts
- Input: 115/230VAC @ 47-450Hz
- Size: 6.5"L x 4"W x 1.75"H
- CSA Approved • Weight: 1.5 lbs.

Output:
+5VDC @ 5A,
+12VDC @ 4A

Part No.	Product No.	1-9	10-24
28901	PS3050 (50 Available)	\$24.95	\$22.49

Compaq 73 Watt Switching Power Supply

- Input: 100-240 VAC @ 60/50 Hz 3A
- UL/CSA approved
- Minimum load requirements: +5V @ 500mA
- Input connector: 3-pronged power cord receptacle-compatible w/ Jameco power cord 38050
- Output connectors: two 6 pin female Molex connectors- compatible w/ Jameco connector 78300, one 4 pin female power connector for 3.5" disk drives and one 4 pin female power connector for 5.25" disk drives
- Size: 6.75"L x 3.75"W x 2.75"H • Weight: 2.5 lbs.

Output:
+ 5V @ 10A,
+12V @ 1.5A,
- 5V @ 0.3A,
-12V @ 0.3A

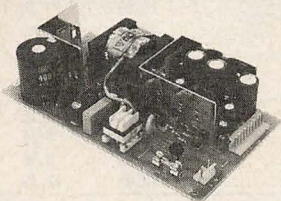
Part No.	Product No.	1-9	10-24
101813	PS141668 (1200 available)	\$29.95	\$26.95

Solar 77 Watt Switching Power Supply

- Input: 110VAC @ 60 Hz
- Input Connector: Male Molex 2 conductor
- Output Connector: Male Molex 10 conductor
- Size: 7.75"L x 4.25"W x 1.88"H • Weight: .5lb.

Output:
+ 5VDC @ 10A,
-12VDC @ 0.2A,
- 5VDC @ 5A

Part No.	Product No.	1-9	10-24
98706	AH5934 (600 available)....	\$24.95	\$22.49



Skyнет 85 Watt Switching Power Supply

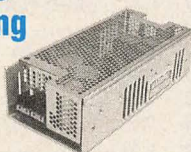
- Input Voltage: 100VAC to 260VAC @ 47-63Hz
- Input Auto Ranging
- Input Connector: Male Molex 2 conductor
- Output Connector: Male Molex 10 conductor
- Size: 7.7"L x 4.25"W x 1.73"H
- Weight: 1.25 lbs.
- UL/CSA/FCC approved

Output:
+ 5VDC @ 8A,
- 5VDC @ 0.5A,
+12VDC @ 3A,
-12VDC @ 0.5A

Part No.	Product No.	1-9	10-24
101389	SNP3180 (Stock item).....	\$74.95	\$67.49

AC/DC Electronics 100 Watt Switching Power Supply

- Input: 115VAC @ 60Hz
- Size: 8"L x 4"W x 2.5"H
- Weight: 2 lbs.



Output:
+5V @ 20A

Part No.	Product No.	1-9	10-24
66940	PS101 (450 Available) .	\$14.95	\$13.49

Yahata 127 Watt Switching Power Supply

- Input: 120/220 VAC @ 60/50Hz 3A/1.5A
- No minimum load requirements
- UL/CSA approved
- Input connectors: one lug and two spade connectors
- Output connectors: one 9 pin and one 10 pin female Molex style connectors
- Size: 12"L x 4"W x 3"H • Weight: 5 lbs.

Output:
+5V @ 4.5A,
+12V @ 0.6A,
-12V @ 0.6A,
+18V @ 1.7A,
+24V @ 2.5A

Part No.	Product No.	1-9	10-24
101952	D247B3 (363 Available).....	\$24.95	\$22.49

Skyнет 137 Watt Switching Power Supply

- Input: 115V/230V switchable
- Jumper selectable switching
- No minimum load requirements
- Input connector: one 3 pin, 2 conductor Molex
- Output connectors: four 4-pin female power connectors for 5.25" disk drives; two 6 pin, female motherboard connectors
- Fan cooling recommended
- Size: 8"L x 4.5"W x 1.75"H • Weight: 1.5 lbs.

Output:
+5V @ 15A,
-5V @ 0.5A,
-12V @ 0.5A,
+12V @ 4.5A

Part No.	Product No.	1-9	10-24
103501	SNP1350 (230 Available)....	\$29.95	\$26.95

ITT 194 Watt Switching Power Supply

- Input: 115V/230VAC @ 50-60Hz
- Input Connector: 3 pin male Molex-keyed
- Output connector: Male Molex 18 conductor
- UL Approved
- Size: 9"L x 4.75"W x 1.75"H
- Weight: 1.5 lbs.

Output:
+5V @ 6A-28A,
+12V @ 0.6A-4A,
-12V @ 0-0.5A

Part No.	Product No.	1-9	10-24
93315	AD200 (800 Available).....	\$21.95	\$19.95

Jameco 192 Watt Power Supply

- Input: 115-230VAC @ 50-60Hz
- External Power Switch
- Two 9 pin female card edge connectors
- UL/CSA Approved
- Size: 7.75"L x 7"W x 4"H • Weight: 5.5 lbs.

Output:
+5VDC @ 28A,
+12VDC @ 4A,
-12VDC @ .35A

Part No.	Product No.	1-9	10-24
65795	PS9007 (800 Available)	\$19.95	\$17.95

230 Watt Switching Power Supply

- Input: 110/220 V @ 60/50 Hz
- Input Connector: Male Molex 3 conductor
- Output Connector: one Male Molex 14 conductor and one Male Molex 3 conductor
- UL Approved • Weight: 1.5lb
- Jumper selectable
- Size: 9.5"L x 4.7"W x 1.8"H

Output:
+ 5VDC @ 8A,
+ 12VDC @ 2A,
- 12VDC @ 1.5A,
+ 18VDC @ 2A,
- 18VDC @ -2A,
+25.5VDC @ 3A

Part No.	Product No.	1-9	10-24
100001	SP149 (270 available).....	\$34.95	\$31.49

AC/DC Electronics 300 Watt Switching Power Supply

- Input: 115VAC @ 60Hz
- Size: 12"L x 5"W x 2.75"H
- Weight: 5.5 lbs.

Output:
+5V @ 60A

Part No.	Product No.	1-9	10-24
66966	PS301 (35 Available)	\$29.95	\$26.95

Computer Products 600 Watt Switching Power Supply

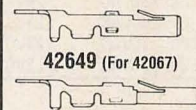
- Input Voltage: 110/220VAC
- Input Connector: 3 screw terminals
- Output Connector: 6 screw terminals; 2 post bolts
- UL/CSA approved
- Jumper selectable
- Weight: 6.75 lbs.
- Size: 17"L x 5.25"W x 2.5"H

Output:
+5VDC @ 50A,
-5VDC @ 3A,
-12VDC @ 3A,
+12VDC @ 15A,
+25VDC @ 5A

Part No.	Product No.	1-9	10-24
100984	PS1450 (100 available)	\$39.95	\$35.95

AMP Disk Drive Power Pins and Connectors

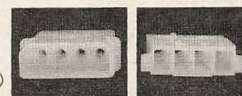
Pins



42649 (For 42067)

42729 (For 42075)

Connectors



42075 (Male)

42067 (Female)

- For 5.25"/8" disk drives and power supplies

- Material: brass, pre-tin
- Wire size range: 24-18 AWG
- Current rating: 1.5 Amps
- Use crimp tool: Part# 99442 (see pg. 56)

42067/42075 Connector Housing:

- Material: white nylon 6/6
- Voltage rating: 250 VAC
- Temperature: -55° to 105°C
- Housing: Keyed mating connectors.

External key bar indicates pin 1 and correct mating orientation

Part No.	Prod. No.	Description	1-99	100-999	1000-9999
42649	60619	Pins for 42067	\$.12	\$.09	\$.07
42729	61118	Pins for 42075	.10	.08	.06
42067	480424	4 Pin female connector	.27	.21	.17
42075	480426	4 Pin male connector	.31	.25	.21

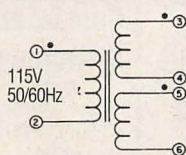
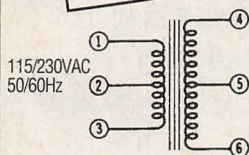
Power Pins and Connectors

- 78300:
- Material: Housing white nylon 6/6
- Contacts: Brass, pre-tin
- Current rating: 1.5 Amps/contact
- Voltage Rating: 250 VAC
- Temperature: -55° to 105°C

- 78326:
- Material: White nylon 6/6
- Voltage rating: 250 VAC
- Temperature: -55° to 105°C
- Crimp pins: Use Part # 78318

- 78318:
- Material: Brass, pre-tin
- Current Rating: 1.5 Amps
- Wire Size Range: 24-18 AWG
- Crimp tool: Use Part # 99442 (see page 56)

Part No.	Description	1-99	100-999	1000-9999
78300	6 pin power plug connector	\$.35	\$.29	\$.19
78326	6 pin receptacle connector	.25	.19	.15
78318	Power pins for 78326	.07	.05	.03

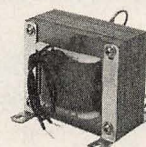
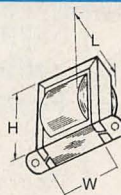


**9 NEW
Power
Transformers**

Power Transformers

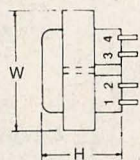
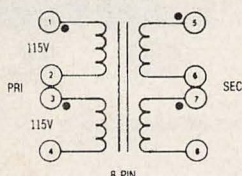
Power transformers have both single and dual voltage input and center tapped outputs. This makes them the perfect choice for power supply design or for use in transformer, rectifier, and filter circuits.

- Primary 115 VAC, 115/230 VAC 50/60 Hz
- Hi-pot tested
- Wire leads

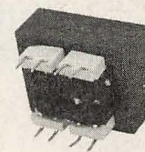
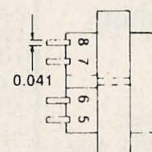


99653

Part No.	Product No.	Input	Output	Lead type	L"	W"	H"	Wt. (lbs.)	1-9	10-24	25-99
29225	XFR122	115VAC	12.6VCT/2A	Wire	2.12	2.33	1.96	1.34	\$8.95	\$7.95	\$7.15
102120	XFR124	115VAC	12.6VCT/4A	Wire	2.53	3.08	2.61	2.66	19.95	16.95	14.95
99653	XFR242	115VAC	24.6VCT/2A	Wire	2.82	3.79	3.30	2.58	14.95	13.49	11.95
99661	XFR244	115VAC	24.6VCT/4A	Wire	2.25	3.09	2.63	5.13	24.95	22.49	20.25
102162	XFR6102	115/230VAC	6.3VCT/1.2A	Wire	1.56	1.96	1.67	0.61	9.95	8.49	7.49
102171	XFR1215	115/230VAC	12.6VCT/1.5A	Wire	1.80	2.32	1.99	1.04	10.49	8.95	7.75
102154	XFR1220	115/230VAC	12.6VCT/2A	Wire	2.35	2.32	1.97	1.46	11.95	9.95	8.95
102146	XFR2404	115/230VAC	24VCT/4A	Wire	1.85	1.97	1.67	0.85	9.95	8.15	7.25
102138	XFR2407	115/230VAC	24VCT/7A	Wire	1.72	2.32	2.02	1.03	10.49	8.75	7.49
102111	XFR2410	115/230VAC	24VCT/1A	Wire	2.22	2.33	1.97	1.46	10.95	8.95	7.59
102103	XFR2520	115/230VAC	25.2VCT/2A	Wire	2.47	3.07	2.61	2.73	13.95	12.49	10.95



**11 NEW
Transformers**



102541

Split-Bobbin Power Transformers

Split-bobbin provides a cost effective power solution for PC Board requirements. They are non concentrically wound with primaries and secondaries side-by-side providing low capacitive coupling, eliminating costly electrostatic shielding.

- Primary 115/230 VAC 50/60 Hz
- Hi-pot tested
- PC terminal pin spacing for accurate placement

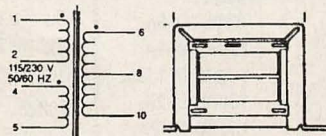
Part No.	Product No.	Input Voltage	VA Cap	Individually	Parallel	Series	H"	W"	D"	Wt. (lbs.)	1-9	10-24	25-99
102509	XFR1202SB	115/230	2.5	6.3v@ .20A	6.3v@ .40A	12.6vCT@ .20A	1.20	1.38	1.17	0.25	\$6.95	\$5.95	\$4.95
102517	XFR1602SB	115/230	2.4	8v@ .15A	8v@ .30A	16vCT@ .15A	1.20	1.38	1.17	0.24	6.95	5.95	4.95
102525	XFR3601SB	115/230	2.3	18v@ .065A	18v@ .13A	36vCT@ .065A	1.20	1.38	1.17	0.24	6.95	5.95	4.95
102533	XFR1205SB	115/230	6.3	6.3v@ .50A	6.3v@ 1A	12.6vCT@ .50A	1.30	1.62	1.31	0.39	7.49	6.49	5.75
102541	XFR1604SB	115/230	6.4	8v@ .40A	8v@ .80A	16vCT@ .40A	1.30	1.62	1.30	0.39	7.49	6.49	5.75
102550	XFR2003SB	115/230	6.0	10v@ .30A	10v@ .60A	20vCT@ .30A	1.30	1.62	1.30	0.39	7.49	6.49	5.75
102568	XFR2403SB	115/230	6.0	12v@ .25A	12v@ .50A	24vCT@ .25A	1.30	1.62	1.30	0.39	7.49	6.49	5.75
102576	XFR2802SB	115/230	5.6	14v@ .20A	14v@ .40A	28vCT@ .20A	1.30	1.62	1.30	0.39	6.95	5.95	4.95
102584	XFR1210SB	115/230	12.6	6.3v@ 1A	6.3v@ 2A	12.6vCT@ 1A	1.46	1.90	1.58	0.67	8.49	7.49	6.49
102592	XFR2405SB	115/230	12.0	12v@ .50A	12v@ 1A	24vCT@ .50A	1.46	1.90	1.58	0.66	8.25	7.25	6.25
102605	XFR2010SB	115/230	20.0	10v@ 1A	10v@ 2A	20vCT@ 1A	1.41	2.25	1.88	0.80	9.95	8.95	7.95

Audio Transformer



- Primary 18K ± 20%, secondary 100ohm ± 5% load
- Solder leads for through hole PC board mounting
- Vacuum Impregnated
- Size: 0.56"L x 0.48"W x 0.43"H
- Insulation resistance 100 Megohms

Quick Connect Power Transformer



Quick Connects are bobbin wound for smaller size and reduced electrostatic shielding requirements.

- Terminals: Quick Connect, Soldering
- Primary 115/230VAC, 50/60Hz
- Output: 24VCT/2.4A
- Hi-Pot tested
- Size: 1.87" L x 2.70" W x 2.25" H
- Terminals: .185" spade/solder
- Weight: 1.7 lbs.

Step Up/Down Transformers

Convert 220VAC to 110VAC
or 110VAC to 220VAC

- Rugged design
- Color: beige
- Rated@250W
- Weight: 4.5 lbs.

85008

- Allows easy step up of 110VAC to 220VAC
- Comes with European 110VAC wall plug

85016

- Allows easy step down of 220VAC to 110VAC
- Comes with European 220VAC wall plug

Part No.	Description	1-9	10-99	100-999
85008	Step up	\$22.95	\$19.95	17.95
85016	Step down	22.95	19.95	17.95

Wall Mount Step Up/Down Transformers

99477

- Input: 110VAC/50-60Hz
- USA 110VAC wall plug
- Output: 220VAC/50 Watt
- European 220VAC socket



99573

- Input: 220VAC/50-60Hz
- European 220VAC wall plug
- Output: 110VAC/50 Watt
- USA 110VAC socket



- Size: 2.485"L x 1.590"W x 1.285"H
- Weight: 0.5 lbs.

Part No.	Description	1-9	10-99	100-999
99477	AC220 Step Up	\$6.95	\$5.95	4.95
99573	AC110 Step Down	6.95	5.95	4.95

Part No.	Description	1-9	10-99	100-999
88284	Audio transformer	\$1.65	\$1.49	\$1.29

Part No.	Description	1-9	10-99	100-999
101864	Power transformer	\$12.95	11.49	10.25

We specialize in Wall Transformers- Call for Large OEM pricing.

AC to AC Wall Transformers (Input: 120VAC 60Hz)

• Plugs into standard 115V outlet • Current rating to 1 Amp

See page 27 for Inches to Metric Conversion Chart.



10102

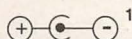


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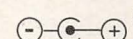


15392

Part No.	Product No.	Output Rating		Output Plug		Dimensions (in.)			Case	Cord	UL Listed	Pricing		
		Voltage	Current	ID x OD (mm)	Plug Type	H	W	D				1-9	10-99	100-999
101127	DFX10096B	7 VAC	1500 mA	2.5 mm x 5.5 mm Female		1.88	2.20	1.95	Black	7' 6"	UL, CSA	\$4.95	\$4.49	\$3.95
10129	AC905M3	9 VAC	500 mA	3.5 mm Male		2.35	1.95	1.56	Black	6'	UL, CSA	4.95	4.49	3.95
100061	1300	9 VAC	780 mA	2.1 mm x 5.5 mm Female		2.44	2.03	1.58	Black	6' 6"	UL	4.95	4.49	3.95
102234	AC910F1	9 VAC	1000 mA	2.1 mm x 5.5 mm Female		3.20	2.24	1.93	Black	6'	UL, CSA	6.95	6.49	5.95
103536	T100-1	9 VAC	1500 mA	5 pin DIN - Just Strip & Tin *Δ		2.31	2.34	1.93	Black	6' 6"	UL, CSA	7.95	7.49	6.95
100132	WP572410	10 VAC	2400 mA	Striped and Tinned *Δ		3.35	2.56	2.16	Grey	5' 8"	UL	6.95	6.49	5.95
101303	TP-M2	10.2 VAC	780 mA	2.1 mm x 5.5 mm Female		2.40	2.00	1.60	Black	7'	UL, CSA	6.95	6.49	5.95
101258	AC1205F1	12 VAC	500 mA	2.1 mm x 5.5 mm Female		2.76	1.97	1.57	Black	6'	UL, CSA	5.95	5.25	4.49
10073	AC1205M3	12 VAC	500 mA	3.5 mm Male		2.76	1.97	1.57	Black	6'	UL, CSA	5.49	4.69	3.95
10081	AC1210F1	12 VAC	1000 mA	2.1 mm x 5.5 mm Female		2.56	2.39	1.99	Black	6'	UL, CSA	5.95	5.49	4.95
100167	AC1210F5	12 VAC	1000 mA	2.5 mm x 5.5 mm Female		3.20	2.23	1.97	Black	6'	UL	6.25	5.75	5.25
10428	AC1210M3	12 VAC	1000 mA	3.5 mm Male		2.60	2.40	1.97	Black	6'	UL, CSA	5.95	4.95	4.39
100079	DV1816W1	16 VACT	800 mA	4 pin plug-Just Strip & Tin *Δ		2.28	2.40	1.93	Black	6'	UL	5.95	5.49	4.95
100108	DV1611A	16 VACT	1100 mA	2.1 mm x 5.5 mm Female		2.20	2.35	1.87	Black	6'	UL	7.95	7.49	6.95
100191	ICC-6375	18 VAC	80 mA	Stripped and Tinned *Δ		1.70	1.67	1.26	Black	6'	Motorola	3.95	3.49	2.95
101004	10-42609	18 VACT	800 mA	3 pin plug-Just Strip & Tin *Δ		2.20	2.12	1.59	Black	6'	—	4.95	4.49	3.95
100036	A41200400	20 VAC	400 mA	Stripped and Tinned *Δ		2.55	1.92	1.77	White	6'	UL	5.95	5.49	4.95
100204	WP571420G	20 VAC	700 mA	2-#6 Screw Terminals *†Δ		3.60	2.59	2.15	Black	No Cord	UL	5.95	5.49	4.95
104150	38H3	24VACT	300 mA	4-#6 Screw Terminals *†Δ		1.89	2.20	1.96	Black	No Cord	UL	5.25	4.75	4.25
102251	ACT2404ST	24 VACT	400 mA	Stripped and Tinned *Δ		3.00	2.00	1.87	Black	6'	UL	6.25	5.75	5.25
87581	AC2405F1	24 VAC	500 mA	2.1 mm x 5.5 mm Female		3.28	2.19	1.72	Black	6'	UL	5.95	5.49	4.95
102269	AC2408F1	24 VAC	800 mA	2.1 mm x 5.5 mm Female		2.50	2.24	1.93	Black	6'	UL, CSA	8.95	7.95	7.25
10102	AC2410M3	24 VAC	1000 mA	3.5 mm Male		3.37	2.70	2.20	Black	6'	UL	7.95	7.49	6.95
101119	26-9600	26 VACT	1200 mA	6 pin plug-Just Strip & Tin *Δ		3.36	2.59	2.15	Black	6' 6"	—	7.95	7.49	6.95



AC to DC Wall Transformers (Input: 120VAC 60Hz)



Part No.	Product No.	Output Rating		Output Plug		Dimensions (in.)			Case	Cord	UL Listed	Pricing		
		Voltage	Current	ID x OD (mm)	Plug Type	H	W	D				1-9	10-99	100-999
100141	UT90	3.6 VDC	900 mA	3.5 mm Male ²		2.38	1.95	1.66	Off white	7'	UL, CSA	\$2.95	\$2.49	\$1.95
100159	AZ36009E	4 VDC	700 mA	3.5 mm Male ²		2.76	1.97	1.61	White	7'	UL	2.95	2.49	1.95
101266	DC605F1	6 VDC	500 mA	2.1 mm x 5.5 mm Female ²		2.44	1.89	1.61	Black	6'	UL, CSA	6.25	5.25	4.69
15544	DC605M3	6 VDC	500 mA	3.5 mm Male ²		2.44	1.89	1.61	Black	6'	UL, CSA	5.95	4.95	4.29
99266	02305-01	9 VDC	100 mA	2.1 mm x 5.5 mm Female ²		2.29	1.74	1.63	Black	6' 6"	UL	3.95	3.49	2.95
100845	DC902F1	9 VDC	200 mA	2.1 mm x 5.5 mm Female ²		2.06	1.70	1.47	Black	6'	UL, CSA	5.25	4.19	3.69
103528	D1A3590	9 VDC	200 mA	2.5 mm Male ²		2.13	1.71	1.55	Black	6' 6"	UL, CSA	4.95	3.95	3.59
100837	DC902M3	9 VDC	200 mA	3.5 mm Male ²		2.06	1.70	1.47	Black	6'	UL, CSA	4.95	3.95	3.59
99899	52284A	9 VDC	450 mA	1.3 mm x 5.0 mm Right Angle Female ¹		2.60	1.90	1.61	Lt. Grey	8' 4"	UL, CSA	4.75	4.49	4.25
100853	DC905F1	9 VDC	500 mA	2.1 mm x 5.5 mm Female ²		2.50	1.90	1.57	Black	6'	UL, CSA	5.49	4.49	3.95
100175	DC905F5	9 VDC	500 mA	2.5 mm x 5.5 mm Female ²		2.50	1.90	1.57	Black	6'	UL, CSA	5.75	4.79	4.25
15561	DC905M3	9 VDC	500 mA	3.5 mm Male ²		2.50	1.95	1.56	Black	6'	UL, CSA	5.49	4.59	3.95
100888	DC910F1	9 VDC	1000 mA	2.1 mm x 5.5 mm Female ²		2.58	2.39	1.97	Black	6'	UL, CSA	8.95	7.95	6.95
15587	DC910M3	9 VDC	1000 mA	3.5 mm Male ²		1.48	2.20	1.93	Black	6'	UL, CSA	8.95	7.95	6.95
100116	KXA10	12 VDC	100 mA	2.1 mm x 5.5 mm Right Angle Female ¹		2.16	1.78	1.42	Grey	6' 6"	UL	3.49	2.95	2.49
100052	4000T	12 VDC	200 mA	Plain-Just Strip & Tin *Δ		2.31	1.74	1.65	Off White	6' 9"	UL	3.95	3.49	2.95
100095	DC1202F1	12 VDC	200 mA	2.1 mm x 5.5 mm Female ²		2.14	1.82	1.49	Black	6'	UL	4.95	4.49	3.95
100124	KXA09	12 VDC	200 mA	2.1 mm x 5.5 mm Right Angle Female ¹		2.38	2.15	1.63	Dark Grey	6'	UL	4.95	4.49	3.95
100861	DC1202M3	12 VDC	200 mA	3.5 mm Male ²		2.06	1.70	1.47	Black	6'	UL, CSA	4.95	4.39	3.79
15368	DC1205F11	12 VDC	500 mA	2.1 mm x 5.5 mm Female ¹		2.50	1.90	1.57	Black	6'	UL, CSA	5.95	4.95	4.49
102496	DC1205F12	12 VDC	500 mA	2.1 mm x 5.5 mm Female ²		2.50	1.90	1.57	Black	6'	UL, CSA	5.95	4.95	4.49
100087	KXA11B	12 VDC	500 mA	2.1 mm x 5.5 mm Right Angle Female ¹		2.39	2.20	1.56	Black	6'	UL	5.95	4.95	4.49
100183	KXA11W	12 VDC	500 mA	2.1 mm x 5.5 mm Right Angle Female ¹		2.35	1.93	1.66	White	6'	UL	5.49	4.75	4.25
102277	DC1205F5	12 VDC	500 mA	2.5 mm x 5.5 mm Female ²		2.50	1.89	1.56	Black	6'	UL, CSA	6.49	5.49	4.95
17267	DC1205M3	12 VDC	500 mA	3.5 mm Male ²		2.50	1.90	1.57	Black	6'	UL, CSA	5.95	4.95	4.49
100870	DC1210F1	12 VDC	1000 mA	2.1 mm x 5.5 mm Female ²		2.58	2.39	1.97	Black	6'	UL, CSA	7.95	6.95	5.95
15392	DC1210M3	12 VDC	1000 mA	3.5 mm Male ²		2.58	2.39	1.97	Black	6'	UL, CSA	7.95	6.95	5.95
101291	WP571812D	12 VDC	1500 mA	2.5 mm x 5.5 mm Female ²		3.40	2.70	2.20	Black	6'	UL	9.95	8.95	7.95
99881	52154C	14 VDC	700 mA	1.3 mm x 5.5 mm Female ¹		3.19	2.20	1.65	Black	6' 6"	UL, CSA	4.95	4.75	4.49
102285	DC2404F1	24 VDC	400 mA	2.1 mm x 5.5 mm Female ²		3.00	2.00	1.87	Black	6'	UL	8.95	7.75	6.75
100044	E88261	24 VDC 10 VDC	600 mA 600 mA	Dual Voltage 24/10VDC 3 cond. 6' cord with 3 spade lugs		3.28	2.45	2.44	Black	6'	UL	8.95	8.49	7.95
15309	DCM05	3, 4.5, 6, 7.5, 9, 12VDC	500 mA	2.5 mm x 14 mm Male, 3.5 mm x 15.5 mm Male 2.1 mm x 5.5 mm Female, 2.5 mm x 5.5 mm Female & 9V Battery Snap (5-way)		2.91	2.25	1.98	Black	6' 4"	UL	6.95	6.49	5.95

* Power plugs and jacks (see pg. 46) † 24 AWG 2 conductor power cable (see pg. 49) Δ Solderless terminals (see pg. 58)

See page 46 for power plugs and jacks.

CALL FOR QUANTITY PRICING Toll Free FAX 1-800-237-6948 • Order Toll Free 1-800-831-4242

NEW**KESTER****Solder and Flux****Pocket Pak and Kwik-Draw**

The Kester Pocket Pak and Kwik-Draw are convenient, pencil-sized solder dispensers. The clear plastic tube feeds solder easily, and comes with a shirt pocket clip. Inside is Kester's famous 60% tin, 40% lead alloy solder with the "44" rosin flux core. 0.5 oz.

Part No.	Description	1-9	10-99
73576	Pocket pak (.031" dia.) ...	\$1.19	\$9.99
94570	Kwik-Draw (.050" dia.)	1.75	1.49

Computer/Electronic and TV/Radio Solder

Features 60% tin, 40% lead allow, with "44" rosin flux. Specifically designed for repairs to electronic components or circuit boards which are sensitive to excess heat. Features a low melting temperature (374°F) and unique fluxing action. 1.0 oz.

Part No.	Description	1-9	10-99
73592	Computer/electronic solder	\$1.49	\$1.35
94588	TV/Radio solder	1.19	.99

Electronic Silver Solder

A unique 62% tin, 36% lead, 2% silver alloy with a rosin flux core. Specifically formulated for soldering small, silver-coated surface mount components to circuit boards. The .020" diameter is well-suited for the close spacing of components. 1.0 oz.

Part No.	Description	1-9	10-99
73605	Electronic silver solder	\$3.29	\$2.95

Rosin Paste Flux

94609



73584

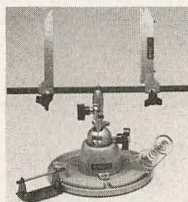
A highly active non-corrosive flux with excellent wetting action. Specifically for electrical/electronic applications. Permits soldering of even difficult metals such as brass or nickel. Non-corrosive and electrically non-conductive. 2.0 oz.

Part No.	Description	1-9	10-99
73584	Rosin paste flux	\$1.19	\$9.99
94609	Flux pen	3.95	3.59

See page 70 for SMT solder paste

PanaVise Electronic Work Center

- Circuit board holder, standard base, tray base mount, solder station, sponges, and wire holder included.
- Size: 8.5" Dia. x 7.75"H
- Weight: 5.0 lbs.
- One-year warranty



Part No.	Product No.	Description	1-9	10-24
27060	M 324	Electronic Work Center	\$69.95	\$62.95

Tinning Block

Keep soldering iron tips clean and tinned with Kester's tinning block. 8 oz.



Part No.	Description	1-9	10-99
94596	Tinning block	\$2.95	\$2.49

Jameco Solder Wick

Part No.	Product No.	Description	1-9	10-99
41081	40-2	.079" width solder wick (5 feet)	\$9.99	\$7.75
41099	40-3	.098" width solder wick (5 feet) .....	.99	.75

60/40 Solder Roll

Kester's "44" rosin core solder (60% tin, 40% lead) with rosin, is completely non-corrosive and electrically non-conductive. Ideal for electrical and electronics applications. Kester "44" rosin core solder makes soldering faster than ever and provides a stronger, longer lasting bond. • Diameter: .031"; Weight: 1 lb.



Part No.	Description	1-9	10-99
32117	60/40 Solder roll	\$9.95	\$8.95

8 pc. Soldering Aid Kit

100378

- Contains:
- Soldering wick • Acid brush
 - 3 pc. scraper and brush
 - Clip on heatsink • Empty bottle

100503

Part No.	Product No.	Description	1-9	10-99
100378	CHS51	Clip on heatsink ...	\$9.99	\$7.75
100503	GTK2000	Soldering Kit	5.95	5.39

Standard Adjustable Magnifying Lamp

- Large magnification; 4" dia. 3-diopter lens
- Maneuverable 3.0" arm extension
- Lamp tilts or turns in any direction
- Uses 60W incandescent bulb (not included)

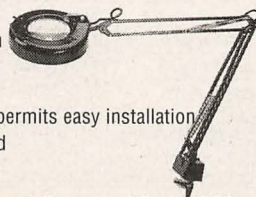


Part No.	Description	1-9	10-24
22710	Adjustable Magnifier Lamp ...	\$29.95	\$26.95

Heavy Duty Magnifying Lamp

High quality magnifying lamp, with adjustable arm and clamp for attaching lamp to tables and desks.

- 110 VAC/60Hz
- 45 inch extension arm
- Supplied with 22 watt Circline tube
- New wire clip design permits easy installation
- 3 Diopter lens included



Part No.	Product No.	Description	1-9	10-99
100829	LUX520	Magnifying Lamp	\$69.95	\$62.95

**Weller® Soldering Station**

- Temperature adjustable 350° - 850°F
- Zero voltage circuit ensures that no high voltage spikes or magnetic fields are present at the tip to damage sensitive components
- Meets all government specifications including Mil STD 2000
- Lighted on/off switch • Tip leakage: less than 2 mv
- Tip to ground resistance: less than 2 ohms
- 40 watt pencil is fitted with an ETA tip
- Impact resistant housing and handle
- Stability @ idle: 10° F • Grounded power cord
- Size: 6"L x 4.5"W x 3.75"H • Weight: 2.0 lbs.
- UL Listed • One-year warranty

Part No.	Product No.	Description	1-4	5-9
34497	WCC100	Soldering station ..	\$109.95	\$99.95

Soldering Station Tips For WC100

Part No.	Product No.	Description	1-4	5-9
16774	ETA	Screwdriver 1/16" ...	\$5.95	\$5.35



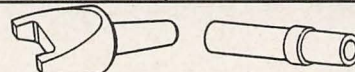
Part No.	Product No.	Description	1-4	5-9
16803	ETR	Narrow Screwdriver 1/16" ...	\$5.95	\$5.35



Part No.	Product No.	Description	1-4	5-9
16782	ETJ	Chisel Tip 1/32"	\$5.95	\$5.35
16791	ETM	Long Screwdriver 1/32" ..	5.95	5.35



Part No.	Product No.	Description	1-4	5-9
16811	ETS	Long Conical 1/64"	\$5.95	\$5.35



Weller® 82288

82261

Surface Mount Technology (SMT) Tips & Adapters

- New soldering tips for Weller Soldering stations (WCC100) will help you quickly repair surface mount assemblies using chip resistors/capacitors, and small outline devices.
- The unique adapter system enables these tips to be used in SMT applications with current Weller stations. (WCC100, shown above)

SMT Tips

Part No.	Product No.	Style	Design	1-9	10-99
82270	SMT89J	SOT	SOT89	\$19.95	\$17.95
82288	SMT0504AJ	Chips	0405	19.95	17.95
82296	SMT231	SOT	SOT23/SOT143	19.95	17.95

SMT Adapter

Part No.	Product No.	Description	1-9	10-99
82261	SMTA	Tip Adapter*	\$12.95	\$11.49

*Tip adapter for WTLE, WCC100, EC1001, EC2001

Jameco Digital Display Soldering Station

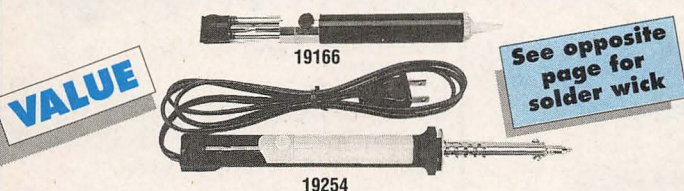
The 35351 Digital Display Soldering Station is designed for soldering situations where precise temperature is required for sensitive components.

- Temperature is displayed on an easy to read .560"H 3-digit LED readout
- Operating temperature is attained 45 seconds after power up
- Temperature is maintained at $\pm 6^{\circ}\text{F}$ tolerance of the set temperature
- Electronic temperature control from 200° to 878°F
- Zero-Voltage thyristor switching protects voltage and current sensitive devices such as CMOS IC's against voltage spikes
- Power-on and Heater-on LED indicators
- Power consumption: 60 watts
- Includes one 35115, 1/16" tip
- Size: 5.13"W x 8"D x 4"H • Weight: 4.2 lbs.



Part No.	Product No.	Description	1-9	10-24
35351	XY960	Digital Display Soldering Station	\$119.95	\$107.95

Jameco Electric & Non-Electric Desolder Pumps



- Easily disassembled for cleaning
- One-hand operation
- Replacement tips available
- Size (19166): 7.75"L x .75" dia.; (19254): 10.5"L x 1.0" dia.

Part No.	Product No.	Description	1-9	10-99
19166	JDP	Non-electric desolder pump	\$4.95	\$3.95
22091	JRT	(2) Replacement tips for 19166	1.95	1.49
19254	JEP	Electric desolder pump	29.95	26.95
19262	JET	(1) Replacement tip for 19254	3.95	3.49

Jameco Glue Gun

- Can be used for holding rework wires to PCB
- Will adhere to PCBs, cardboard, wires, metal
- Silicon nozzle • Electronic heating system
- Automatic trigger action
- Utilizes long glue sticks (100 mm)
- Non-slip pad on grip • Color: Black



Part No.	Description	1-9	10-99
72696	Glue gun	\$10.95	\$9.95
78633	Glue sticks (100 mm - 6/pk)	1.95	1.69

Jameco Analog Display Soldering Station

The 35086 maintains a steady temperature using a cartridge heating element, providing a longer life for the soldering tip.

- Electronic temperature control from 200° to 878°F
- Zero-Voltage thyristor switching protects voltage and current sensitive devices such as CMOS IC's against voltage spikes
- Power-on and Heater-on LED indicators
- Power consumption: 60 watts
- Includes one 35140, 1/16" tip
- Size: 4.25"W x 6"D x 3.38"H
- Weight: 4 lbs.



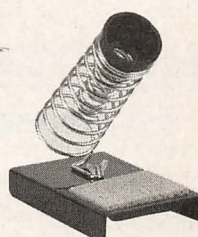
Part No.	Product No.	Description	1-9	10-24
35086	XY1683	Analog Display Soldering Station	\$79.95	\$71.95

Jameco Soldering Iron and Stand

- 110-120V
- 30 Watt
- UL Approved
- 1/4" Removable Tip
- Length: 8.25"
- One-hand operation • Ideal for precision work



- Black anodized steel base- 5.25"L x 3.3"W
- Includes sponge
- Fits most soldering irons .85" diameter



Part No.	Product No.	Description	1-9	10-99
102461	GSR019UL	Soldering iron	4.95	4.49
36329	100S	Soldering stand	\$3.95	\$3.49

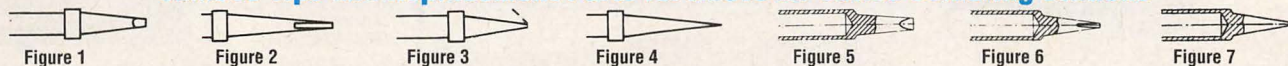
Jameco Heat Gun

- Use with heat shrink material
- Works with spot-dry paint, plaster, spackle cure
- Will remove adhesive-applied tiles and linoleum without chipping
- Can thaw pipes, frozen locks, loosen rusted bolt
- Dual heat setting: 600°F / 1100°F
- UL Recognized



Part No.	Description	1-9	10-99
76865	Heat gun	\$39.95	\$35.95

Jameco Tips and Replacement Parts for Above XY Series Soldering Stations



Part No.	Product No.	Description	Fig.	Use with Soldering Station Model Number				Price 1-9	Price 10-99
				XY168	XY1683	XY960	XY2660		
35078	XY1	Tip - Semi-Chisel 1/32"	1	✓		✓		\$3.49	\$2.95
35115	XY2	Tip - Conical Chisel 1/16"	2	✓		✓		3.49	2.95
35238	XY3	Tip - Semi-Chisel Wide 1/8"	1	✓		✓		3.49	2.95
35300	XY4	Tip - Conical Chisel 3/64"	2	✓		✓		3.49	2.95
35326	XY5	Tip - Conical Bevel 1/32"	3	✓		✓		3.49	2.95
35334	XY6	Tip - Conical Sharp 1/64"	4	✓		✓		3.49	2.95
35123	XY20	Tip - Semi-Chisel Narrow 1/32"	5		✓		✓	3.95	3.49
35140	XY21	Tip - Conical Chisel 1/16"	6		✓		✓	3.95	3.49
35166	XY22	Tip - Semi-Chisel Wide 1/8"	5		✓		✓	3.95	3.49
35174	XY23	Tip - Conical Chisel 3/64"	6		✓		✓	3.95	3.49
35191	XY25	Tip - Conical Sharp 1/64"	7		✓		✓	3.95	3.49
35297	XY37	Heating Element - (Nichrome) for Iron Assembly	---	✓		✓		12.95	11.65
35318	XY48	Soldering Iron Assembly - 48 Watt w/Nichrome Heater	---	✓				24.95	22.49

Electronic Inspection Set



- Sharp metal pick (0.875" dia x 6"L)
- Bent mirror tool (0.875" dia. x 6.75"L)

Part No.	Description	1-9	10-99
72514	Electronic inspection set	\$4.95	\$4.49

4 pc. Alignment Tool Set

- For use with color TV, HIFI, HAM, CB, FM, AM

- Includes 4 plastic alignment tools
- Each tool offers multiple functions

- Flat screwdriver function: 0.08"Dia. x 0.03"T, 0.06"Dia. x 0.02"T and Hex 0.1", Hex 0.075"; total length: 7.5"L
- Hexdriver: 0.1" and 0.08"; total length: 5.6"L
- Hexdriver: 0.075"; total length: 5.3"L
- Flat Screwdriver: 0.1"Dia. x 0.035"T Hexdriver: 0.1" and square shaped driver: 0.06" square; total length: 4"L

Part No.	Product No.	Description	1-9	10-99
99637	ATS606	4 pc alignment set	\$2.95	\$2.49

10 pc. Open-end/box Wrench Set

- Includes 10 wrenches with the following sizes: (3/8, 7/16) (11/32, 3/8) (5/16, 11/32) (9/32, 5/6) (1/4, 9/32) (7/32, 15/64) (15/64, 1/4) (13/64, 7/32) (3/16, 5/32) (5/32, 3/16)
- Material: alloy steel

Part No.	Product No.	Description	1-9	10-99
99602	WS608	10 pc. wrench set	\$8.95	\$7.95

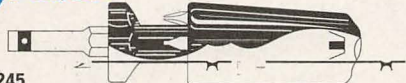
8 pc. File Set

- Includes:

- (1) 0.15"Dia. x 5.65"L
- (1) 0.13"Dia. x 5.65"L
- (4) 0.22"Dia. x 5.65"L
- (1) 0.12"Dia. x 5.65"L
- (1) 0.11"Dia. x 5.65"L

- Material: Tool steel

Part No.	Product No.	Description	1-9	10-99
100360	FS108F	8 pc file set	\$8.95	\$7.95



82245

Multi-bit Screwdrivers

Unique bit storage area built right into the handle!
Stubby Screwdriver

- Approximately 2.5" long with no bit installed
- Bits: 2 standard slot, 3 Phillips, 1 TORX each approximately 1.25" long
- Can use 3/8" wrench to increase torque

Part No.	Description	1-9	10-99
82237	Stubby screwdriver	\$14.95	\$13.49

Full Size Screwdriver

- Approximately 6" long with no bit installed
- Bits: 2 standard slot, 3 Phillips, 1 TORX each approximately 3" long

Part No.	Description	1-9	10-99
82245	Full size screwdriver	\$19.95	\$17.95

Screwdriver Sets

8 pc. Electrician Screwdriver Set

Eight screwdrivers

- Insulated handle and blade protection-up to 1000v
- Four flat points: 0.24" Dia. x 9.91"L; 0.2"Dia. x 8.92"L; 0.16" Dia. x 7.54"L; 0.1"Dia. x 6.10"L
- One flat point with Buz light: 0.16" Dia. x 7.4"L
- Three Phillips: No. 0, 0.1" Dia. x 6.10"L; No. 1, 0.16"Dia. x 7.54"L; No. 2, 0.24" Dia. x 9.91"L
- Material: Chrome-Vanadium

Part No.	Product No.	Description	1-9	10-99
99688	SD315B	8 pc screwdriver set	\$10.95	\$9.95

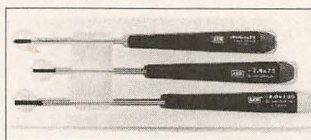
5 pc. Electrician Screwholding Screwdrivers

Includes five insulator holding screwdrivers

- Insulated handle and blade protection-up to 1000v
- Three flat points: 0.2" Dia. x 10"L; 0.16"Dia. x 8.72"L; 0.12"Dia. x 8.72"L
- Two Phillips: No. 1, 0.16" Dia. x 8.72"L; No. 2, 0.24" Dia. x 11"L
- Material: Chrome-Vanadium

Part No.	Product No.	Description	1-9	10-99
99590	SD315A	5 pc screwdriver set	\$8.95	\$7.95

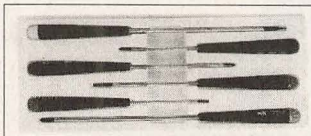
3 pc. Screwdriver Set



- Two flat points: 0.09" Dia. x 6.65"L; 0.12" Dia. x 7.64"L;
- One Phillips: No.2, 0.09" Dia. x 7.64"L

Part No.	Product No.	Description	1-9	10-99
99469	SD3103	3 pc screwdriver set	\$4.95	\$4.49

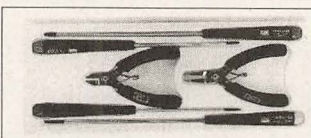
6 pc. Screwdriver Set



- Three flat points: 0.09" Dia. x 6.65"L; 0.12"Dia. x 6.64"L; 0.16"Dia. x 9.61"L
- Three Phillips: No. 0, 0.12"Dia. x 6.64"L; No.1, 0.16"Dia. x 9.61"L; No. 2, 0.09"Dia. x 6.65"L

Part No.	Product No.	Description	1-9	10-99
99451	SD3106	6 pc screwdriver set	\$7.95	\$6.95

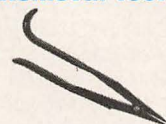
Four Screwdriver Set with Two Pliers



- Two flat points: 0.12" Dia. x 9.61"L; 0.09"Dia. x 7.64"L;
- Two Phillips: No. 0, 0.12" Dia. x 9.61"L; No.2, 0.09" Dia. x 7.64"L
- One micro cutting nippers
- One micro flat nose pliers

Part No.	Product No.	Description	1-9	10-99
99565	SD3105	Screwdriver/plier set	\$11.95	\$10.95

Retaining Ring Removal Tool



- Tips Diameter=0.04"
- Max. Opening between tips: 0.32"L
- Total Length: 6.3"L

Part No.	Product No.	Description	1-9	10-99
99581	RRT319	Ring removal tool	\$3.95	\$3.49

TV Screwdriver

- Handle is made of non-conductive materials
- Durable metallic tip
- Size: 0.08"Dia. x 7.75"L



Part No.	Product No.	Description	1-9	10-99
99645	TVS1	TV screwdriver	\$1.49	\$1.25

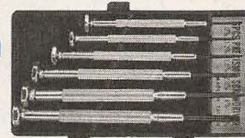
Two-in-One Screwdrivers

- Has both, flat point and Phillips.
- Handle included.
- Changing tips is easy. Just pull shaft out of handle and re-insert.



Part No.	Product No.	Description	1-9	10-99
99717	SD20	Flat Point: 0.1" Dia. x 7.95"L Phillips: No.0, 0.1" Dia. x 7.95"L	\$3.49	\$2.95
99696	SD21	Flat Point: 0.18" Dia. x 8.03"L Phillips: No. 1, 0.18" Dia. x 8.03"L	3.49	2.95
99709	SD22	Flat Point: 0.24" Dia. x 8.07"L Phillips: No.2, 0.24" Dia. x 8.07"L	3.49	2.95

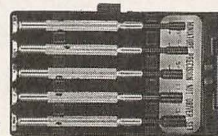
Jameco 6-pc. Precision Screwdriver Sets



- 34041 includes 1/32", 3/64", 1/16", 5/64", 5/32" and 1/8" slotted screwdrivers
- 34059 includes 3/64"#0, 1/16"#0, 5/64"#0, 3/32"#0, 1/8"#1 and 9/64"#1 Phillips screwdrivers

Part No.	Product No.	Description	1-9	10-99
34041	TS59	Slotted screwdriver set	\$2.95	\$2.49
34059	TS60	Phillips screwdriver set	2.95	2.49

5-pc. Precision Nut Driver Set



- Includes one each of the following nutdrivers: 1/8", 9/64", 5/32", 11/64", 3/16"
- Size of driver: 4" length • Case size: 5.25" L x 3" W

Part No.	Product No.	Description	1-9	10-99
34067	TS67	Precision Nut Driver Set	\$2.95	\$2.49

Plastic Metric/Inches Calipers



- For accurate measurements every time.
- Measures outside, inside and depth.
- Easy to read dial gauge
- Materials: Plastic - will not scratch
- Length: 6"(150mm) • Color: Black
- Includes fitted plastic storage case.

Part No.	Product No.	Description	1-9	10-99
103739	PMC1	Plastic Calipers (mm)	\$14.95	\$11.95
104230	PIC1	Plastic Calipers (Inch)	\$14.95	\$11.95

JAMECO™

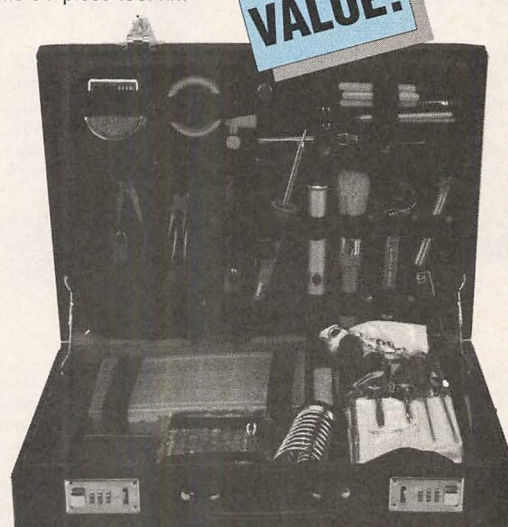
Jameco 51-Piece Electronic Tool Kit

The 26681 provides the tools needed for building, repairing and general maintenance of most electronic equipment. A convenient and durable carry-along combination lock case safely protects and secures this 51-piece tool kit.

VALUE!

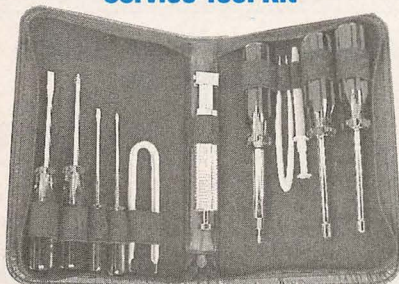
Tools Included in Kit

- Digital Multimeter
 - OHM range: 200Ω to 20MΩ
 - DC Amps: 200μA to 10A
 - DC Volts: 200mV to 1000V
 - AC Volts 200V and 750V
 - Diode check
 - 3 1/2 Digit LCD
 - Low battery indicator
 - Auto polarity display
 - 0.4 second sample time
 - Uses 9-volt battery (not included)
- 10 foot measuring tape
- Electrician's tape
- 6" long tweezers
- 7" brush and scraper
- 7" fine point probe
- 7" slotted probe
- Rosin core solder
- 30 watt soldering iron
- Desoldering pump
- Soldering stand
- Brush
- Utility components box
- Round needle file
- Flat needle file
- 6" adjustable wrench
- Utility knife with extra blade
- 5.25" bent needle nose pliers
- 4.5" diagonal cutting pliers
- 5.25" flat nose pliers
- 5.25" needle nose pliers
- 5.5" stainless steel scissors
- 8 piece hex key wrench set: .05" thru 5/32"
- 6 piece precision screwdriver set: 9/64", 1/8", 3/32", 5/64", 3/64", 1/32"
- 10 piece screwdriver set: Slotted: 1/8 x 3", 3/16 x 4", 3/16 x 6", 1/4 x 1 1/2", 1/4 x 4", 1/4 x 6"
- Phillips: 1/8 x 3" #0, 3/16 x 3" #1, 1/4 x 1 1/2" #2, 1/4 x 4" #2
- Carrying case: 17.63"W x 12.5"D x 3.5"H



Part No.	Product No.	Description	1-4	5-9
26681	MS305	51-Piece Electronic Tool Kit	\$117.95	\$106.95

Jameco 11-Piece Computer Service Tool Kit

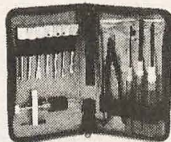


- (2) Slotted screwdrivers: 1/8", 3/16"
- (2) Phillips screwdrivers: #0, #1
- (2) Nutdrivers: 3/16", 1/4"
- (2) Torque screwdrivers: T-10, T-15
- Tweezers
- 3-claw parts holder
- 14-16 pin IC inserter/straightener
- 14-40 pin IC extractor • Black vinyl carrying case

Part No.	Product No.	Description	1-9	10-99
14189	CSK8	Computer Service Tool Kit	\$18.95	\$16.95

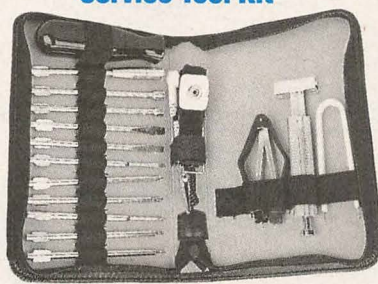
Jameco 22 pc VCR Tool Kit

- 7 special tools for VCR Alignment/repair
- Protective vinyl pouch
- VHS, VCR head puller
- 3 reversible screwdrivers L=7.5", handle included 0.24"Dia., 0.12"Dia. Flat & Phillips
- Retaining ring remover • Spring hook tool
- Micro screwdriver: 0.1" Dia. No.0 x 1.32"L Phillips
- Hex wrench set Qty: 8 (0.03" Dia.-0.13"Dia.)



Part No.	Product No.	Description	1-9	10-99
99611	VCR318	22 pc VCR Tool Kit	\$39.95	\$36.95

Jameco 15-Piece Computer Service Tool Kit



- Antistatic wrist strap
- 8-20 pin IC inserter/straightener
- 14-40 pin IC extractor/straightener
- 44-84 pin surface mount IC extractor
- Screwdriver handle w/ 3.75" extender and adapters:
 - (3) Phillips: #0, #1, #2 (3) Slotted: 1/8", 3/16", 1/4"
 - (2) Nutdrivers: 3/16", 1/4" (2) Torque: T-10, T-15
- Black vinyl carrying case

Part No.	Product No.	Description	1-9	10-99
14171	CSK32	Computer Service Tool Kit	\$37.95	\$34.95

Jameco 26 pc Tool Set

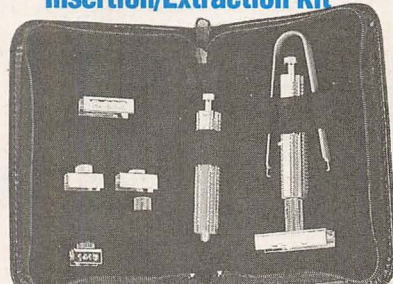
Contains:

- 6 screwdrivers (Phillips #0, #1, slotted 0.05", 0.08", 0.09", 0.12")
- Handle • Extension bar
- Sockets: 5, 6, 8, 10 mm
- 10 bits: 5, 6 mm #No.1, #No.2, No.1, No.2, T-10, T-15, T-20, Socket Adapter
- Stainless Tweezer • 4" long nose plier
- 4" side cutter • Carrying case



Part No.	Product No.	Description	1-9	10-99
99629	HTS930	26 pc Tool Set	\$19.95	\$17.95

Jameco 8-Piece IC Insertion/Extraction Kit

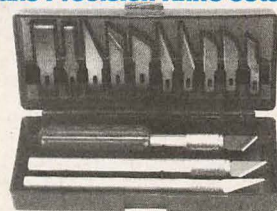


- (2) Insertion tools (post) with IC straighteners
- (6) Insertion adapters for 8, 14/16, 18/20, 22, 24/28 and 32/40 pin ICs, and a universal extraction tool
- Metalized plastic • Black vinyl carrying case

Part No.	Product No.	Description	1-9	10-99
19043	IEK	IC Insertion/Extraction Kit	\$29.95	\$26.95

Jameco Deluxe Precision Knife Sets

Enclosed in a custom plastic latchable chest with magnetic knife blade holder



- 72768:
 - Three different knife handles- finework, medium and heavy duty power grip
 - 13 different types of blades included
- 72987:
 - Four different knife handles
 - 21 different types of blades included
 - Pair of bent tweezers

Part No.	Description	1-9	10-99
72768	13 blade knife set	\$7.95	\$6.95
72987	21 blade knife set	\$13.95	\$12.49

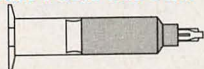
ESP Surface Mount Tools and Accessories

DispensGun™

Put an end to messy spatulas, hard-to-press hand syringes, caulking guns and squeeze tubes. The rugged DispensGun with 3:1 leverage provides effective, controlled application of thick, non-pourable fluids, without mess or fatigue, and with No-Drip.

• Size: 4"L x 4"W • Weight: 1 lb. • 2 year warranty
Part No. Description 1-9 10-99
88250 10CC Dispense Gun\$139.95 \$132.95

Solder Paste and Flux



- Will not separate or dry out in storage or during use
- Trouble-free dispensing barrels for 88250 DispensGun
- No slumping or spreading prior to reflow
- Uniform wetting action
- 6 month warranty
- Contents: (88241) 35 grams (88233) 10 grams
- Manufacturer recommends two day shipping to ensure reliability

Part No. Description 1-9 10-99
88241 63/37 Solder Paste\$9.95 \$8.95
88233 Paste Flux\$11.95 10.49

Vac Tweezer™

The VAC Tweezer is used by assemblers, lab technicians, jewelry workers and hobbyists—to pick and place small parts of all kinds, glass slides, coins, optics, SMD's, film or any other small items.

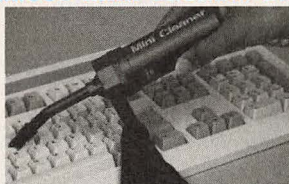
The VAC Tweezer contains:

(5) pad sizes-.0140" to 0.400", (5) straight tips, (2) 45° angle tips

• Size: 2.89"L x .58"W • Weight: 1oz. • 1 year warranty

Part No. Description 1-9 10-99
88268 Vacuum Pick & Place Kit\$19.95 \$17.95

Jameco Mini Vacuum Cleaner



- Requires 4 AA batteries (Part Number 32627, see page 59)
- Includes one bent tube and one straight bristled tube
- Canister size: 2.25"W x 1.75" D x 5.5" H

Part No. Description 1-9 10-99
72961 Mini Vacuum Cleaner\$9.95 \$8.95

Jameco 10-Piece Hex Key Wrench Sets

- Available in standard and metric versions
- 72477 includes 1/16, 5/64, 3/32, 1/8, 5/32, 3/16, 7/32, 1/4, 5/16, and 3/8" wrenches
- 72469 includes 1.5, 2, 2.5, 3, 4, 5, 5.5, 6, 8, and 10 mm wrenches

Part No. Description 1-9 10-99
72477 Standard Hex Key Wrench Set\$3.25 \$2.95
72469 Metric Hex Key Wrench Set3.25 2.95

Jameco Nibbling Tool

- Perfect for cutting and trimming, or notching sheet metal up to 18AWG
- Time-saver when working on chassis, printed circuit boards and prototype models
- Minimum .375" hole required
- Size: 7.75"L

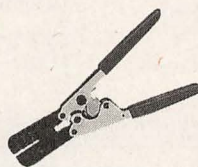


18809

Part No. Description 1-9 10-99
18809 Nibbling Tool\$8.95 \$7.95
29330 Replacement Bit4.95 4.49

Jameco Terminal Wire Crimping Tool

- Heavy-duty metal crimping tool w/ insulated handles
- Crimps terminals: 22-18 AW 16-14 AWG blue, and 12-10 AWG yellow
- Ratchet action ensures proper crimp, 13 ratchets
- Tempered tool head
- Color-coded crimping jaw
- Double-lever action
- Coiled spring return • Dimensions: 9"L x 2"W
- Jameco offers individual terminals and connectors and a convenient set of solderless insulated terminals and connectors, organized in a hinged box, (see page 58)



Part No. Description 1-9 10-99
72995 Terminal Wire Crimping Tool \$19.95 \$17.95

Jameco Non Ratcheted RJ Crimping Tool

- Crimps RJ-11 and RJ-22 plugs (for plugs, see page 39)
- Non ratcheted action with spring return
- Built-in cutter and stripper
- All steel construction
- Replaceable cutting blades
- Length: 8" L x 2" W



Part No. Description 1-9 10-99
73091 Non-ratcheted Crimping Tool ..\$27.95 \$24.95

Jameco Ratcheted BNC Crimping Tool

- Crimps RG-58, RG-59 and RG-62 BNC connectors
- For BNC connectors, see page 47
- Ratcheted crimping action to ensure proper crimping pressure
- All steel construction
- Size: 8.5" L x 2.5" W



Part No. Description 10-99
73242 Ratcheted BNC Crimping Tool\$16.95 \$15.49

Jameco Insulation Displacement Connector Crimping Tool

- Crimp insulation displacement connectors, (see pages 42-45)
- Crimping distance 27.5mm to 6mm (with attachment)
- Cushioned red handles
- 9.75" L x 3"W



Part No. Description 1-9 10-99
73251 IDC Crimping Tool\$14.95 \$13.49

Jameco Cable Tie Gun



- Automatically ties and cuts medium sized nylon cable ties, (see page 48 for cable ties)
- Compact and easy to store in tool box
- Heavy duty plastic construction
- 6.75" L x 3"W
- Color: gold

Part No. Description 1-9 10-99
73402 Cable Tie Gun\$16.95 \$14.95

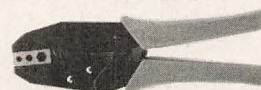
Jameco Strain Relief Bushing Assembly Tool

- For insertion and removal of wire strain relief bushings, (see page 48)
- All steel construction
- Cushioned red handles
- Spring action return
- 2.25"L x 6.75"W



Part No. Description 1-9 10-99
73470 Strain Relief Bushing Tool..\$9.95 \$8.95

Jameco Ratcheted BNC Crimping Tool



- Crimps RG-174, RG-58 and RG-6 BNC connectors
- For RG cable & BNC connectors, (see page 47)
- Ratcheted crimping action to ensure proper crimping pressure
- All steel construction • Replaceable jaws
- Blue cushioned handles • Size: 8.5" L x 2.5" W

Part No. Description 1-9 10-99
73234 Ratcheted BNC Crimping Tool \$17.95 \$15.95

Jameco 3 Bladed Adjustable Coaxial Cable Stripper



- Strips RG-58, 59, 62 cable, (see page 47)
- Heavy duty black plastic construction
- Replacement blades • Size: 4.25"L x 1"W

Part No. Description 1-9 10-99
73066 3 Bladed Adj. Coax. Cable Stripper \$10.95 \$9.95



Strip-Wrap-Unwrap Tools

- Strips, wraps, unwraps
- Tool tip made of tempered steel
- Use with 30AWG wire on .025" square posts. No solder necessary (see page 49 for wire-wrap-wire)
- Spring steel cutter • 4.5" long

Part No.	Product No.	Description	1-9	10-99
34577	WSU30	Wrap-Unwrap tool	\$19.95	\$17.95

Modified Tool

- Strips, wraps, unwraps
- Tool tip made of tempered steel
- Use with 30AWG wire on .025" square posts. No solder necessary
- Wraps 1 to 2 turns of insulated portion of wire for more secure connections
- Spring steel cutter • 4.5" long

Part No.	Product No.	Description	1-9	10-99
34585	WSU30M	Modified tool ...	\$21.95	\$19.95

Jameco Tool Boxes

- Keep all of your electronics tools in one safe, convenient place!
- UNBREAKABLE tool boxes made of high impact ABS/PP materials
- Protects contents even in -40° C to 90° C temperatures
- Spring return latches
- Includes component tray
- 82093: 17"L x 7"W x 5.5"H
- 82106: 17"L x 9"W x 7"H



82106
Tools not included

Part No.	Description	1-9	10-99
82093	Small Tool Box (Blue)	\$14.95	\$13.49
82106	Large Tool Box (Blue)	\$19.95	\$17.95

Jameco Wire Cutters/Strippers

- Yellow insulated handles
- Spring return
- Tempered steel cutting edge
- Adjustment for wire gauges
- Size: 5"L x 3"W



Part No.	Description	1-9	10-99
79003	For use with 12-24 AWG wire	\$2.75	\$2.49
78991	For use with 10-30 AWG wire	2.95	2.75

Jameco Precision 5 pc. Stainless Steel Plier Set

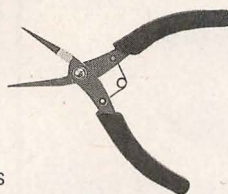


- Micro cutting nippers (3.5" long)
- Micro round nose pliers (4" long)
- Micro long nose pliers (4" long)
- Micro flat nose pliers (4" long)
- Micro bent nose pliers (4" long)
- Spring return
- Insulated handles

Part No.	Description	1-9	10-99
73120	5 pc. Plier set	\$16.95	\$14.95

Jameco Flat Long Nose Pliers

- Great for straightening bent IC pins and miscellaneous components
- Stainless steel
- Spring return
- Durable rubber handles
- Use for bending relay springs
- Jaws will not damage parts
- 5.25" length w/ 1.375" plier nose



Part No.	Product No.	Description	1-9	10-99
35473	AX102	Pliers	\$4.75	\$4.25

Jameco Half Round Long Nose Pliers

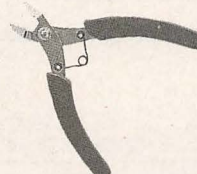
- Ideal for getting at hard to reach places
- Use for making radius bends in wire and components
- Stainless steel
- Spring return
- Durable rubber handles
- 5.125" length w/ 1.375" plier nose



Part No.	Product No.	Description	1-9	10-99
35490	AX104	Pliers	\$4.75	\$4.25

Jameco Diagonal Wire Cutter

- Precision flush wire cutter
- Cuts component wire up to 1.2mm thick
- Stainless steel
- Spring return
- Durable rubber handles
- 4.25"L x 2.125"W with .50" cutting blade
- Jaws are designed for flush cutting



Part No.	Product No.	Description	1-9	10-99
35481	AX103	Wire cutter	\$4.75	\$4.25

Jameco 4 pc. Tweezer Set

- 4 different style stainless steel tweezers, including one self-locking
- Ideal for picking up small components in hard to reach places as well as component assembly on PC prototype boards

Part No.	Description	1-9	10-99
10735	4 pc. Tweezer Set	\$7.95	\$7.19

Jameco Third Hand

- Frees your hands for soldering
- Two adjustable arms with alligator clip jaws
- 2" diameter magnifying lens
- Quick and easy rotation
- Sturdy, heavy base



Part No.	Description	1-9	10-99
26690	Third hand	\$4.95	\$4.49
72864	Third hand w/ soldering holder	7.95	7.19

PanaVise Vacuum Vise

- Features the patented "split ball" that will tilt, turn and rotate through three planes
- Nylon jaws open a full 2.25"
- Powerful suction pad for quick and easy set-up
- Includes vacuum base, standard head and nylon jaws
- Weight: 3.5 lbs.
- One year warranty • Size: 5"L x 4"W x 6.25"H



Part No.	Product No.	Description	1-9	10-99
27131	M381	Vacuum vise	\$59.95	\$53.95

Jameco IC Pin Straightener

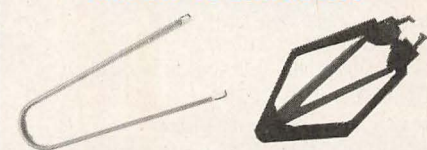
Straighten bent pins safely and easily with Jameco's IC pin straightener

- Includes a ground terminal for grounding the tool before use-prevents static damage.
- One end of the tool straightens 8/14/16/18/20 pin ICs.
- The other end of the tool straightens 24/28/40/42/48 pin ICs.
- Color/materials: Black plastic
- Size: 3.25"L x 1.5"W x 0.4"H



Part No.	Product No.	Description	1-9	10-99
99362	ICS01	IC Pin Straightener	\$4.95	\$4.49

Jameco PLCC Surface Mount and DIP IC Extractors



16838

16766

- Both 4"L x 2"W
- Sturdy gripping jaw

Part No.	Product No.	Description	1-9	10-99
16838	EXD	DIP IC Extractor	\$1.49	\$1.25
16766	ESM	PLCC Surface Mount IC Ext	3.95	3.49

Jameco 7 in 1 Hand Tool

- 18-10AWG wire stripper
- Wire cutter or pliers
- Heavy steel wire cutter
- Heavy gauge wire bender
- Inches to mm. scale
- Solderless connector crimper
- Length: 6.6"L x 3"W



Part No.	Product No.	Description	1-9	10-99
18796	HT104	Hand tool	\$5.95	\$4.95

Jameco Vacuum Vise

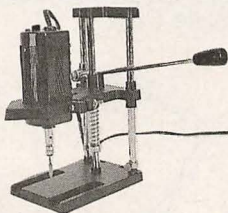
- Precision handling of small components
- Rugged ABS construction
- Jaws are 1.5" wide and travel is 1.5"



Part No.	Product No.	Description	1-9	10-99
34438	VV2	Vacuum vise	\$4.95	\$3.95

Jameco Mini-Drill and Stand

This Mini Drill (26702) is excellent for drilling through circuit boards and protoboards. The drill comes with an array of drilling and grinding (sanding) attachments. The Drill Stand (26711) is designed specifically to hold the mini-drill upright and to function like a drill press.



Part No.	Product No.	Description	1-9	10-99
26702	MS398	Mini drill	\$29.95	\$26.95
26711	MS399	Drill stand	19.95	17.95

Spiral Step Tool Company PC Drill Bits

- Reconditioned carbon steel bits
- High quality long lasting cutting edge
- Use for drilling holes in glass PC boards
- Select size to meet specific application



Part No.	Product No.	Dia.	Drill No.	Application	1-9	10-99
16580	D57	.043	57	Plated through holes	\$1.49	\$1.25
16598	D64	.036	64	IC's, 1/4 W resistors	1.95	1.75
16601	D68	.031	68	IC's, 1/4 W resistors	1.95	1.75
16619	D75	.021	75	Miscellaneous	1.49	1.25

Jameco Anti-Static Grounding Heel Strap

- Attaches to heel of shoe
- Discharges static without restricting your mobility
- Ideal for technical, warehouse, shipping & receiving personnel, or anyone handling static sensitive devices
- Ground strap: 15.5"L • Color: Black



Part No.	Product No.	Description	1-9	10-99
100327	HS901	Heel Strap	\$6.95	\$6.25

Jameco Anti-Static Touch Pad

- Pad has 1 Meg ohm of resistance
- Includes double sided tape – install anywhere (i.e. keyboard, etc.)
- Coiled ground strap with alligator clip, 6'L
- Color: Blue • 15"L x 0.5"W



Part No.	Product No.	Description	1-9	10-99
20327	JE1215	Anti-static touch pad	\$3.95	\$3.49

Jameco Anti-Static Work Mats

Make your work environment safe from static discharge. These mats are made of attractive looking semiconductive vinyl that provides adequate discharging, yet will not short leads or pins. Includes grounding strap.

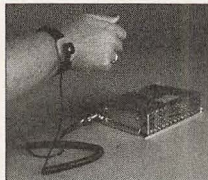


10575

Part No.	Product No.	Description	Color	1-9	10-99
10575	AN1	11.25" x 22.0" w/clip	Gray	\$7.95	\$6.95
10583	AN2	19.5" x 23.5" w/clip	Gray	11.95	10.95
101901	AN3	16.0" x 24" w/lug	Beige	9.95	8.95

Jameco Protective Coiled Grounding Strap

- Comfortable, adjustable velcro wrist strap
- The coiled cord has banana plug and alligator clips
- Includes a 1 Meg ohm resistor for added safety
- Extended cord: 9 feet long • Color: Black



Part No.	Product No.	Description	1-9	10-99
34551	WS	Protective coiled grounding strap	\$6.95	\$6.25

Jameco Conductive Anti-Static Foam and Bags

Don't get zapped! Protect your investment.

- For safe storage of static sensitive devices
- Size: (13864) 24"L x 12"W x 0.25"H



78668

Part No.	Product No.	Description	13864	1-9	10-99
13864	CF2	Conductive anti-static foam	\$9.95	\$8.95	
78668	2100E	4x6 anti-static bags .....	.59	.49	
78650	2100D	8x10 anti-static bags	1.19	.99	

Datak PHOTO ETCH™ Printed Circuit Kit

Use this kit to generate your own 1:1 artwork, then use the patented Pos-Neg™ process to make a photo negative, sensitize and expose a blank copper board, then develop and etch it. Like to build magazine projects? Make a film positive and negative from the magazine PC art illustration, expose your sensitized copper board and etch. The magazine page is not destroyed in this process. No darkroom or camera is required. Circuits may also be direct-etched as with the ER1.



All necessary materials, except the light source, are included (see ER19 below.) You receive a steel 5" x 6" print frame, Pos-Neg film, film processing pack, yellow filter, 4 oz. negative photo resist, 16 oz. resist developer, blank copper circuit boards, dry concentrated etchant, 1:1 resist patterns and tapes, and complete instructions.

Shipped via UPS ground to continental U.S. only.

Part No.	Product No.	Description	Weight	1-9	10-24
16731	ER4*	PHOTO ETCH™ printed circuit kit (complete)	3.9 lbs	\$44.95	\$39.95

Datak ER4 Refills and Accessories

70412(ER1) Direct Etch "Starter" Set

The ER1 Direct Etch set includes 4 blank circuit boards, dry concentrated ferric chloride etchant, instructions, 8 sheets of direct etch donuts, DIPs, patterns, lines, 1/32" and 1/16" etch resist tape. (see the DE973 for an even larger pattern assortment).

Part No.	Product No.	Description	Weight	1-9	10-49
70412	ER1	Direct Etch™ printed circuit start kit	16.5 oz.	\$12.95	\$11.49

Datak 70201(ER3) – Dry Concentrated Etchant

1/4 pound of anhydrous ferric chloride in a vapor-tight package makes one pint of etch solution, enough to etch 200 square inches of copper-clad circuit board. Material has substantially more etch capacity than ammonium persulfate etchants. (The ER3 is supplied in the ER1 and ER4 kits.)

Part No.	Product No.	Description	Weight	1-9	10-24
70201	ER3	Dry concentrated etchant, 1/4 lbs.	5.1 oz.	\$3.95	\$3.59

Datak 16707(ER11) – Copper Clad Circuit Boards

Set contains one 5" x 6" and one 3" x 4.5" (copper clad one side) 1/16" phenolic circuit board. (The ER11 is supplied in the ER4 kit.)

Part No.	Product No.	Description	Weight	1-9	10-24
16707	ER11	Copper clad circuit boards	2.7 oz.	\$5.95	\$5.35

Datak 70471(ER19) – Photo Etch Light Bulb Set

Why search for the special bulbs you need to expose the Pos-Neg™ copy film and photo resist contained in DATAK's ER4 set? This bulb set contains both the 3400°K white light and the 4800°K long wave UV content floodlamps recommended by the manufacturer. Buy this set with your ER4 to ensure perfect results the first time.

Part No.	Product No.	Description	Weight	1-9	10-24
70471	ER19	Exposure lamps (light bulb set)	5 oz.	\$16.95	\$14.95



70421



70498

Datak Additional Accessories

Part No.	Product No.	Description	Weight	1-9	10-24
70279	ER5	6 sheets 5" x 6" Pos-Neg™ film	1.2 oz.	\$8.95	\$7.95
70228	ER6	Film process chemical pack	5.9 oz.	5.95	5.35
16758	ER8*	Negative acting resist developer, 16 oz.	1.25 lbs.	5.95	5.35
70252	ER9	2 sheets 8" x 11" Pos-Neg™ film	1.8 oz.	8.95	7.95
70463	ER10	9" x 12" contact printing exposure frame	3 lbs.	14.95	13.49
16723	ER18	TINNIT™, 1 pint	2.5 oz.	5.95	5.35
70261	ER71*	Negative-acting photo resist liquid, 4 oz.	7.6 oz.	8.95	7.95
70480	ER181	TINNIT™, 1/2 gallon size (bulk pack)	9.3 oz.	19.95	17.95
70498	DE973	Direct Etch™ Dry Transfers assortment		34.95	31.49
75580	04158	Ball style and burnisher 1/16" diameter		4.95	4.49
70421	948	Dry Transfer Black 10pt titles and markings		14.95	13.49
70439	9581	Dry Transfer Black 12pt titles and markings		14.95	13.49
70447	949	Dry Transfer White 10pt titles and markings		14.95	13.49
70455	9591	Dry Transfer White 12pt titles and markings		14.95	13.49

*Shipped via UPS ground to continental U.S. only.

• Order Toll Free 1-800-831-4242 • FAX Toll Free 1-800-237-6948 • BBS 415-637-9025

General Purpose Prototyping Boards

Prototyping boards with punched holes are convenient, economical tools for assembling circuit components - and cost effective alternatives to custom designs.



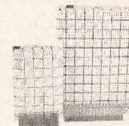
21434



51772



37604



21506 21493

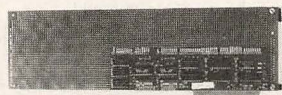
Part No.	Product No.	Description	Size (H" x L")	Terminals/Tool Used			Holes	Power/ Ground Busses	I/O Connector	Edge Connector	Mating Connector	1-9	10-99
				T44 A13	T49 P156	T421 P149A							
43140	64P44XXXP	Phenolic PC Board	4.5 x 6.5	yes	yes	yes	drilled only	no	no	no	n/a	\$3.95	\$3.39
37612	169P44XXXP	Phenolic PC Board	4.5 x 17	yes	yes	yes	drilled only	no	no	no	n/a	7.95	7.19
52943	84P44WE	Epoxy Glass PC Board	4.5 x 8.5	yes	yes	yes	drilled only	no	no	no	n/a	5.49	4.95
37604	169P44WE	Epoxy Glass PC Board	4.5 x 17	yes	yes	yes	drilled only	no	no	no	n/a	9.95	8.95
37621	169P84WE	Epoxy Glass PC Board	8.5 x 17	yes	yes	yes	drilled only	no	no	no	n/a	19.95	17.95
28177	PCB1	PC Board	4.13 x 2.44	yes	yes	yes	plated through double sided pads	no	no	no	n/a	5.95	5.35
28222	PCB2	PC Board	3.75 x 3.38	yes	yes	yes	single sided pad, every two pads connected	yes	up to 34-pin type	no	n/a	5.95	5.35
51772	8007	PC Board	4.5 x 6.5	yes	yes	yes	single sided pad	ground plane only	universal mounting area	no	n/a	22.95	20.49
28193	PCB3	PC Board	5 x 8	yes	yes	yes	plated through pads, double sided pads	4 separate	universal mounting area	no	n/a	24.95	22.49
21434	JE401 (8001)	PC Board	4.5 x 6.5	yes	yes	yes	3 hole pads, single sided pads	yes	no	no	n/a	14.95	13.49
21442	JE403 (8002)	PC Board	4.5 x 6.5	yes	yes	yes	single sided pads	yes	no	no	n/a	14.95	13.49
21451	JE405 (8003)	PC Board	4.5 x 6.5	yes	yes	yes	single sided pads	no	no	no	n/a	14.95	13.49
21477	JE407 (8006)	PC Board	5 x 13.25	yes	yes	yes	plated through holes	no	no	no	n/a	27.95	24.95
21493	JE409 (3662)	Edge Connect PC Board	4.5 x 6.5	yes	yes	yes	drilled only, no pads	no	no	gold (.156")	22/44	15.95	14.49
21506	JE413 (3795)	Edge Connect PC Board	2.7 x 4.5	yes	yes	yes	drilled only, no pads	no	no	gold (.100" Edge) Commodore	22/44	9.95	8.95

PC Purpose Prototyping Boards

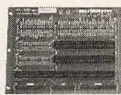
Printed circuit prototyping board for virtually any application - including those requiring high component densities and solder or wire wrap connections. All boards are manufactured to precision standards and specifications. All bus and circuit patterns are solder-coated for user convenience.



21531



28302



28329



42016



42024

Part No.	Product No.	Description	Size (H" x L")	Terminals/Tool Used			Bus Interface on Board	Edge Contacts	I/O Connector Area	Holes	Power/ Ground Bus	1-9	10-99
				T44 A13	T49 P156	T421 P149A							
28302	PCL750	PC/XT 8-bit w/basic circuit built in	5 x 14	yes	yes	yes	yes	gold	D-sub 37-pin female	—	—	\$99.95	\$89.95
69577	GV16	PC/XT/AT 8/16bit w/basic circuit built in	4.5 x 13.5	yes	yes	yes	yes	gold	—	—	—	109.95	99.95
28311	PCL755A	PC/XT/AT 8/16-bit Plug-in extender card (1 board)	6.6 x 5	no	no	no	no	gold	XT/AT	—	—	59.95	53.95
28329	PCL755C	PC/XT/AT Slot Extension kit (2 boards)	4.25 x 7	no	no	no	no	gold	XT/AT	—	—	109.95	99.95
42016	4613-1	PC/XT 8-bit	4.25 x 12.25	yes	yes	yes	no	gold	D-sub 9- to 37-pin	drilled, no pad	yes	49.95	44.95
42024	4613-3	PC/XT 8-bit	4.25 x 12.25	yes	yes	yes	no	gold	none	plated, with pads	yes	69.95	62.95
21522	JE415	PC/XT 8-bit	4.2 x 6.5	yes	yes	yes	no	gold	none	drilled, no pad	no	14.95	13.49
21531	JE417	PC/XT 8-bit	4.2 x 6.5	yes	yes	yes	no	gold	D-sub 9- to 37-pin	plated, with pads	yes	19.95	17.95
28206	PCB4	PC/XT/AT 16-bit	4.25 x 13.13	yes	yes	yes	no	gold	D-sub 9- to 25-pin	double sided pads	2 separate busses, PWR and ground	26.95	24.95
21557	JE419	G.P. Board Extender	4.2 x 5.25	no	no	no	no	gold	22/44 edge connector	no	no	7.95	6.95
21565	JE421	XT Board Extender	3.7 x 4.75	no	no	no	no	gold	XT connector	no	no	26.95	24.95
40820	3690-26	AT Board Extender	6.7 x 5.60	no	no	no	no	gold	AT connector	no	no	69.95	62.95

VECTOR Vector Push-In Micro-Klip Terminals

Fits .062" thick boards with .042" dia. holes. Connects integrated circuit leads which lay in the terminal slot or pass vertically through the terminal

• Holds 3 or 4 wires • .025" diameter • Contains 100 pcs.

Part No.	Product No.	Description	1-9	10-99
34147	T421	Requires P149A insertion tool	\$2.95	\$2.75

Insertion Tools for Vector Terminals

Part No.	Product No.	Used With	Size (L" x W")	10971	29145	29137	1-9	10-99
10971	A13	T44 terminals	3.6 x .625 Dia.	.....	.....	.....	\$13.95	\$12.49
29145	P156	T49 terminals	4 x 1 Dia.	.....	.....	.....	15.95	14.49
29137	P149A	T421 terminals	5 x 1 Dia.	.....	.....	.....	14.95	13.49

VECTOR Vector Wire Wrap Terminals (for .042" Diameter Holes)

Specifications: • Material: Copper Alloy • Post size: .025" sq.

34155 Miniwrap Wiring Terminals:

- Two prong with square tail for wire wrapping
- Overall Length: .690"
- Contains 100 pcs.

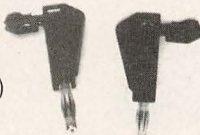
34163 Klipwrap Wiring Terminals

- Three prong w/square tail for wire wrapping • Overall Length: .81" • Contains 100 pcs.

Part No.	Product No.	Height Above .062" Board	Length Below .062" Board	Tool Required	1-9	10-99
34155	T44	.065	.530	A13	\$4.25	\$3.79
34163	T49	.200	.560	P156	7.95	7.19

Banana Test Plugs (10)

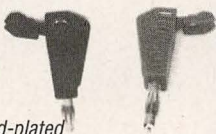
- Self-wiring, stackable
- Color coded 2 each (red, yellow, blue, black, white)
- 10 per package



Part No.	Description	1-9	10-99
77796	Banana test plugs	\$6.95	\$6.25

Banana Test Plugs (10)

- Self-wiring, stackable
- Color coded 2 each (red, yellow, blue, black, white)
- 10 per package

*Gold-plated*

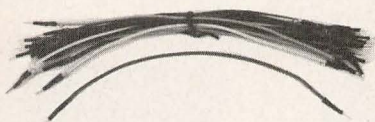
Part No.	Description	1-9	10-99
77817	Banana test plugs	\$8.95	\$7.95

Mini-Banana Test Plugs (10)

- Self-wiring, stackable
- Color coded 2 each (red, yellow, blue, black, white)
- 10 per package

*Gold-plated*

Part No.	Description	1-9	10-99
77753	Mini-banana test plugs	\$5.95	\$5.35

Bread Board Pin to Bread Board Pin Test Leads (20)

- Gold-plated, bread board pin test leads
- Color coded 4 each (red, yellow, blue, black, white)
- 20 AWG gauge wire; 5.9 inches long (15cm)
- 20 per package

Part No.	Description	1-9	10-99
77825	Bread board pin to bread board pin test leads	\$11.95	\$10.75

Banana to Banana Test Leads (10)

- Stackable
- Color coded 2 each (red, yellow, blue, black, white)
- 18 AWG gauge wire
- 9.84 inches long (25cm)
- 10 per package



Part No.	Description	1-9	10-99
77841	Banana to banana test leads	\$19.95	\$17.95

Banana to Banana Test Leads (10)

- Stackable
- Color coded 2 each (red, yellow, blue, black, white)
- 18 AWG gauge wire
- 9.84 inches long (25cm)
- 10 per package

*Gold-plated*

Part No.	Description	1-9	10-99
77868	Banana to banana test leads	\$22.95	\$20.49

Mini-Banana to Mini-Banana Test Leads (20)

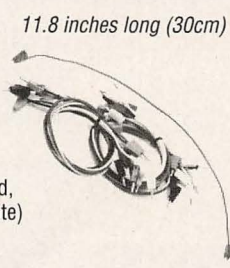
- Gold-plated, stackable
- Color coded 4 each (red, yellow, blue, black, white)
- 20 AWG gauge wire
- 5.9 inches long (15cm)
- 20 per package



Part No.	Description	1-9	10-99
77876	Mini-banana to mini-banana	\$26.95	\$23.95

Mini-Banana to Mini-Banana Test Leads (20)

- Gold-plated, stackable
- Color coded 4 each (red, yellow, blue, black, white)
- 20 AWG gauge wire
- 20 per package

*11.8 inches long (30cm)*

Part No.	Description	1-9	10-99
77884	Mini-banana to mini-banana	\$29.95	\$26.95

Mini-Banana to Mini-Banana Test Leads (10)

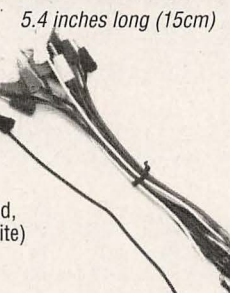
- Gold-plated, stackable
- Color coded 2 each (red, yellow, blue, black, white)
- 18 AWG gauge wire
- 10 per package

*9.84 inches long (25cm)*

Part No.	Description	1-9	10-99
77850	Mini-banana to mini-banana	\$21.95	\$19.95

Mini-Banana to Bread Board Pin Test Leads (20)

- Gold-plated, stackable
- Color coded 4 each (red, yellow, blue, black, white)
- 20 AWG gauge wire
- 20 per package

*5.4 inches long (15cm)*

Part No.	Description	1-9	10-99
77892	Mini-banana to bread board pin	\$19.95	\$17.95

Mini-Banana to Banana Test Leads (20)

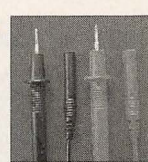
- Gold-plated, stackable
- Color coded 4 each (red, yellow, blue, black, white)
- 18 AWG gauge wire
- 20 per package

*9.84 inches long (25cm)*

Part No.	Description	1-9	10-99
77833	Mini-banana to banana board pin	\$19.95	\$17.95

Protected Banana Style Multi-Meter Test Probes (2)

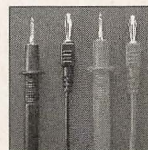
- Threaded/Pointed test tip
- Black and red color coded
- 18 AWG gauge wire
- 42 inches long (100cm)
- 2 per package



Part No.	Description	1-9	10-99
77737	Protected banana style multi-meter test probes	\$5.49	\$4.95

Banana Style Multi-Meter Test Probes (2)

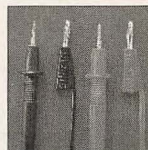
- Threaded/Pointed test tip
- Black and red color coded
- 18 AWG gauge wire
- 42 inches long (100cm)
- 2 per package



Part No.	Description	1-9	10-99
77745	Banana style multi-meter test probes	\$5.95	\$5.35

Banana Style Multi-Meter Test Probes (2)

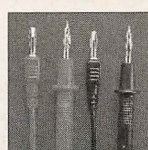
- Threaded/Pointed test tip
- Black and red color coded
- 2 per package • 18 AWG gauge wire
- 42 inches long (100cm)
- Stackable



Part No.	Description	1-9	10-99
77729	Banana style multi-meter test probes	\$5.95	\$5.35

Banana Style Multi-Meter Test Probes (2)

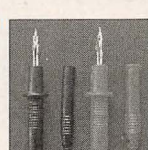
- Banana/Pointed test tip
- Black and red color coded
- 18 AWG gauge wire
- 42 inches long (100cm)
- 2 per package



Part No.	Description	1-9	10-99
77788	Banana style multi-meter test probes	\$5.49	\$4.95

Protected Banana Style Multi-Meter Test Probes (2)

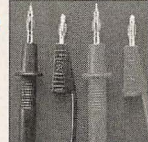
- Banana/Pointed test tip
- Black and red color coded
- 18 AWG gauge wire
- 42 inches long (100cm)
- 2 per package



Part No.	Description	1-9	10-99
77761	Banana style multi-meter test probes	\$5.95	\$5.49

Stackable Banana Style Multi-Meter Test Probes (2)

- Banana/Pointed test tip
- Black and red color coded
- 18 AWG gauge wire; 42 inches long (100cm)
- 2 per package
- Stackable



Part No.	Description	1-9	10-99
77770	Stackable Banana style multi-meter test probes	\$5.49	\$4.95

Banana Plugs (2)

- Set screw connection
- 2"L x 7/16"W
- Includes one red and one black
- Additional 6/32 threaded hole for additional connection reliability



Part No.	Description	1-9	10-99
72194	Banana plugs (2/pkg)	\$1.95	\$1.75

3" Spring Loaded Power Clips (2)

- Color coded
- Crimp connection
- Jaw opening .875"
- For battery trickle charger or battery operated device
- Curved jaw and biting edge is ideal for secure electrical connection to battery terminals
- Includes one red and one black clip • Size: 3" L x 2" H

Part No.	Description	1-9	10-99	100-999
71095	Power Clips (2).....	\$.89	\$.75	\$.65

2.3" Alligator Clips (2)

- Color coded • Banana connection
- Jaw opening .375"
- Accepts standard banana connector
- Insulated barrel
- Solder strap and pre-drilled hole for 6-32 self threading screw • Includes one red and one black clip
- Size: 2.3" L x .5" H

Part No.	Description	1-9	10-99	100-999
70990	Alligator Clips (2)	\$.49	\$.45	\$.39

2.56" Alligator Clips (2)

- Color coded • Banana connection
- Jaw opening .5"
- Plastic insulated barrel and tab
- Accepts standard banana connector
- Large thumb tabs
- Solder strap and pre-drilled hole for 6-32 self threading screw
- Includes one red and one black clip
- Size: 2.56" L x 1.25" H

Part No.	Description	1-9	10-99	100-999
71010	Alligator Clips (2)	\$.85	\$.69	\$.59

Alligator Clips (10)

- Color-coded, 15" long (16 AWG)
- Insulated alligator clip on each end
- 10 per pkg. in assorted colors

Part No.	Product No.	Description	1-9	10-99	100-999
10444	ALCP	Alligator test clips	\$2.75	\$2.49	\$2.29

1.75" Screw Solder Binding Posts (2)

- Both screw and solder type connections
- Takes both wire and banana inputs
- .0625" hole for test leads • Lugs or solder connection
- Accepts standard banana jack • Chassis mounting
- Screw action-opening .40625" • Includes one red and one insulated post • Size: 1.75" L x .5" Diameter

Part No.	Description	1-9	10-99	100-999
77690	Binding Posts (2)	\$1.49	\$1.25	\$.99

1" Screw Type Binding Posts (2)

- Screw type connections
- .0625" hole for test leads
- Accepts standard banana plug
- Chassis mount with lock washer and nut
- Requires .3125" mounting hole
- Screw action-opening .125"
- Takes both wire and banana inputs
- Includes one red and one insulated post
- Size: 1" L x .5" Diameter

Part No.	Description	1-9	10-99	100-999
71239	Binding Posts (2)	\$1.19	\$.99	\$.79

Single Binding Posts to BNC male

- Adapts BNC female connector to single binding post/banana plug
- Binding post with captive thumb nut
- Brass nickel plated
- Accepts standard banana plugs
- Operating Voltage: 500 VRMS
- Size: 1.4" L x 0.575" Diameter

100618 100600

Part No.	Product No.	Description	1-9	10-99	100-999
100618	BNC1B	Black binding posts	\$1.95	\$1.59	\$1.25
100600	BNC1R	Red binding posts	1.95	1.59	1.25

Standard Double Binding Post to BNC male

- Adapts BNC female connector to double binding post/banana plug
- Double binding post with captive thumb nut
- Accepts standard banana plugs
- Operating Voltage: 500 VRMS
- Size: 2.34" L x 1.14" W

Part No.	Product No.	Description	1-9	10-99	100-999
99354	2BNC1	Double binding post	\$3.95	\$3.49	\$2.95

BNC Female to Standard Double Banana Plug

Permits BNC male to be used with equipment having banana jacks. Upper connection: BNC female. Lower connection: double banana plug on .750" centers. Cross holes .166" diameter in body provide side stack-up connections.

Part No.	Description	1-9	10-99	100-999
11439	BNC Female Banana Plug ...	\$3.49	\$2.95	\$2.49

Mini Grabber to Banana Test Cables

- Available in black or red
- Plunger type action
- Positive connection that won't disconnect from components
- Banana plug connection on opposite end
- Length: 3.5"
- 20AWG insulated wire

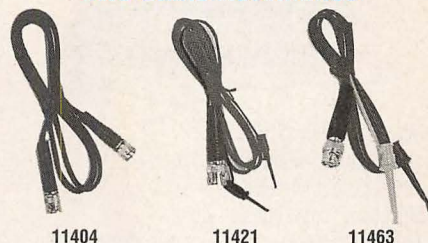
Part No.	Description	1-9	10-99	100-999
21856	Black test cable	\$3.95	\$3.49	\$2.95
21864	Red test cable	3.95	3.49	2.95

BNC Male Test Cable

Permits BNC assembly to be used as a test cable. Upper connection: two alligator clips - red 5.5" 22AWG wire; black 9" 22AWG wire. Lower connection: 23" RG/59U cable with male BNC connector (UG260/U).

Part No.	Description	1-9	10-99	100-999
11383	BNC Male Test Cable	\$3.95	\$3.49	\$2.95

BNC Cable Assemblies



BCN Connectors are designed for signal frequencies into the gigahertz range, making them ideal for communications, video, and test equipment.

Part No.	Description	1-9	10-99	100-999
11404	BNC(M) to BNC(M) RG58 (36'L)	\$3.95	\$3.49	\$2.95
85534	BNC(M) to BNC(M) RG59 (36'L)	3.95	3.49	2.95
102411	BNC(M) to BNC(M) RG62 (36'L)	4.95	4.49	3.95
11421	BNC(M) to Micro Hook RG174 (39'L)	3.95	3.49	2.95
11463	BNC(M) to Mini Hook RG174 (39'L)	3.95	3.49	2.95

See page 47 for other BNC Cable Assemblies

2" Banana Plugs (2)

- Set screw connection
- Standard banana spring plug
- Additional 6-32 threaded hole for additional connection reliability
- Insulating sleeve is threaded to banana plug body
- Includes one red and one black connector
- .1875" lead opening • Size: 2" L x .44" Diameter

Part No.	Description	1-9	10-99	100-999
72194	Banana Connectors (2)	\$1.95	\$1.75	\$1.49

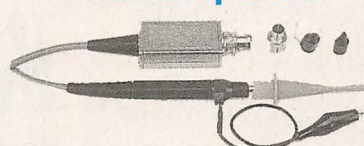
40MHz Modular Oscilloscope Probe



Attenuation	x1	x10
Bandwidth (1dB)	3MHz	40MHz
Bandwidth (3dB)	6MHz	50MHz
Impedance (R/C):	1M Ω /180pF	10M Ω /20pF
• Max. VDC: 600V • Length: 60"		

Part No.	Product No.	Description	1-9	10-99
22891	LF189	40MHz Probe	\$19.95	\$17.95

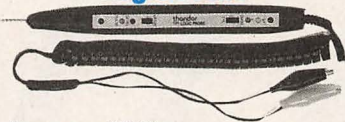
100MHz Modular Oscilloscope Probe



Attenuation	x1	x10
Bandwidth (1dB)	3MHz	60MHz
Bandwidth (3dB)	6MHz	100MHz
Impedance (R/C):	1M Ω /100pF	10M Ω /18pF
• Max. VDC: 600V • Length: 60"		

Part No.	Product No.	Description	1-9	10-99
66149	LF210	100MHz Probe	\$27.95	\$24.95

Logic Probe



- Max Frequency: 50MHz
- Minimum detectable pulse: 10ns
- 120K Ω input impedance
- Maximum supply voltage: $\pm 25V$
- TTL threshold: (Lo) $+0.8V \pm 0.1V$, (Hi) $+2.3V \pm 0.2V$
- CMOS threshold: (Lo) $30\% VCC \pm 10\%$, (Hi) $70\% VCC \pm 10\%$
- No batteries required • Size: 9.25" L x 2.75" W x 1" H

Part No.	Product No.	Description	1-9	10-99
26665	MS104	Logic Probe	\$24.95	\$22.49

Logic Pulser

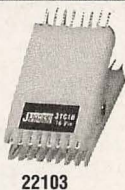


- Compatible with TTL, DTL, RTL, HTL, HNIL, MOS and CMOS ICs
- 1M Ω Sync input impedance
- "One shot" or continuous 5Hz train pulse
- Pulse repetition rate: 0.5pps/400pps
- Pulse width output at 100mA load: 10 μ s
- Pulser mode output current: 10mA
- Square wave current output: 5mA
- Audible tone • Size: 7.75" L x 1" W x .625" H

Part No.	Product No.	Description	1-9	10-99
24601	LP540	Logic Pulser	\$17.95	\$15.95

IC Test Clip Series

- For temporary connections to DIP package components
- Heavy-duty spring loaded hinge provides positive contact
- 20AWG insulated contact



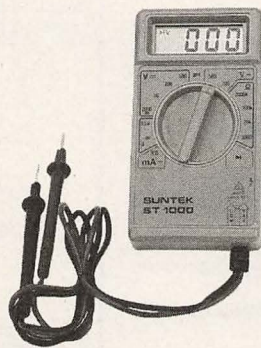
22103

Part No.	Product No.	Description	1-9	10-99
22103	JTC16	16-pin- (8, 14 & 16 ICs)	\$4.95	\$4.49
22120	JTC20	20-pin- (18 and 20 ICs)	6.75	5.95
22146	JTC24	24-pin	7.75	6.95
22162	JTC28	28-pin	8.95	7.95
22189	JTC40	40-pin	11.95	10.49

JAMECO 3 1/2 Digit Pocket Digital Multimeter

- DC Voltage: 2V, 20V, 200V, 500V: $\pm 0.8\%$
 Impedance: 1M Ω
 Overload protection: 500V DC/AC
- AC Voltage: 200V, 500V: $\pm 1.5\%$
 Impedance: 450 K Ω
 Overload protection: 500V AC
- Resistance: 2 K Ω , 20 K Ω , 200 K Ω , 2000 K $\Omega \pm 1.0\%$
 Overload protection: 250V DC/AC
- DC Current: 200 mA $\pm 2.0\%$
 Overload protection: Fast 2A/250V fuse
- Diode Test: Test current: 1.0 ± 0.6 mA, Test voltage: 3.2 V max.

- Battery Test:
 1.5V AA Load: 37 Ω ,
 Working fine current: 40mA
 9V Load: 360 Ω
 Working fine current: 24 mA



- Size: 2.62" W x 1" D x 4.75" H
- Weight: .5 lbs.
- One-year warranty

Part No.	Product No.	Description	1-9	10-24
85649	ST-1000	Pocket digital multimeter	\$29.95	\$26.95

Digital Electronics Trainer

For breadboarding, digital circuits, flip-flops and monostable multivibrators, counters, encoders, decoders, multiplexers, demultiplexers and sequencers, registers, LED and 7 segment LED displays, memory devices, etc.

- Comprehensive, powerful, fast and accurate
- Constant voltage and constant current
- Auto cross-over between constant voltage and constant current
- Independent and auto tracking output
- Auto series and parallel output
- Low noise and ripple

Includes:

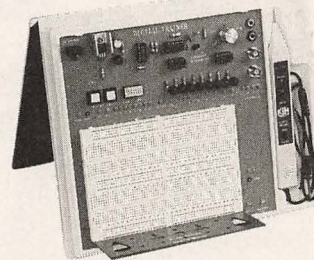
- Two bounce-free pushbuttons
- Eight logic level switches (DIP type)
- +5VDC, 750 mA (uses external AC adapter)
- Solderless breadboard with 1580 interconnected tie points
- Compatible w/ test lead 77892-(see page 74)

Part No.	Description	1-4	5-9
77673	Digital Electronics Trainer	\$159.95	\$143.95

AC/DC Power Supply for Breadboards

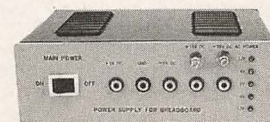
With built-in short-proof regulated power supplies.

- Indicator lamps and power fuses
- Just plug in and start to use
- Compact and lightweight
- For both digital and analog circuits
- Compatible w/ tests leads 77796, 77841, and 77868-(see page 74)
- Size: 7.375" W x 5.5" D x 2.625" H
- Color: Beige
- Weight: 5.6 lbs.
- One-year warranty



77673

- Logic probe clip terminal
- Eight LED buffered logic level indicators
- Two BNC jacks
- Two banana jacks
- Adjustable clock (10-40 Hz and 1K-20KHz)
- One-year warranty
- Size: 8.75" L x 9" W • Weight: 4.6 lbs.

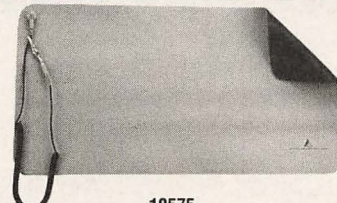


Output Specifications:
 +5V DC, 1A; -5V, 300mA fixed
 0 to +15V DC, 500mA variable
 0 to -15V DC, 300mA variable
 12-6-0-6-12V AC, 300mA fixed

Part No.	Description	1-4	5-9
77681	AC/DC Power supply for breadboards	\$129.95	\$116.95

Anti-Static Work Mats

Make your work environment safe from static discharge. These mats are made of attractive looking semiconductive vinyl that provides adequate discharging, yet will not short leads or pins. Includes grounding strap



10575

Part No.	Product No.	Description	Color	1-9	10-99
10575	AN1	11.25" x 22.0" w/clip	Gray	\$7.95	\$6.95
10583	AN2	19.5" x 23.5" w/clip	Gray	11.95	10.95
101901	AN3	16" x 24" w/lug	Beige	9.95	8.95

METEX 3 1/2 Digit Multimeter with Tach/Dwell

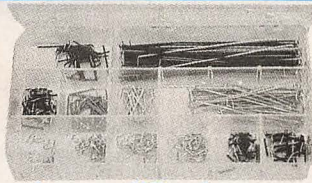
Measures: AC/DC voltage, AC current (2A to 20A), DC current (2A to 20A), resistance, diodes, continuity, dwell angle and engine RPM

- 3 1/2 Digit (.7" High) LCD readout
- Tachometer and dwell scale
- Audible continuity test
- Automatic overrange indication
- High surge voltage protection
- Function annunciators
- Low battery annunciators
- Sturdy case
- Heavy-duty, extra-large probes
- Unit comes complete with probes, batteries, carrying case and manual
- Size: 3.5" W x 1.5" D x 7" H
- Weight: 2.0 lbs.
- One-year warranty



Automotive Electronics

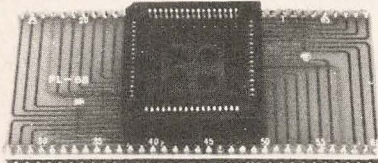
Part No.	Product No.	Description	1-9	10-24
27140	M3900	3 1/2 Digit Multimeter w/ Tach/Dwell	\$69.95	\$62.95



Jameco Wire Jumpers

- 25 each of lengths .1 through 5.0 (14 sizes)
- 350 assorted lengths and in 13 colors
- Pre-stripped/pre-formed 22AWG solid wire jumpers
- Handy, durable, clear plastic case

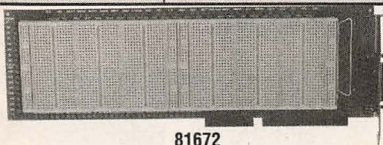
Part No.	Product No.	Description	1-9	10-99
19289	JE10	Wire jumper kit 350 pcs. (includes case).....	\$10.95	\$9.49
20079	JE11	Refill for 19289 350 pcs. (case not included) ...	7.95	6.95



Jameco PLCC Prototype Adapter

- PLCC socket mounted on a circuit board for easy wire wrap or design prototyping. Solder masked PCB with .25" long leads.
- Gold plated round pins
 - PCB construction
 - Tin plated PLCC connector
 - Silk screen numbers identify pin numbers in groups of 5 and 10
 - PLCC socket identifies pin 1 and orientation key
 - PLCC socket slotted for PLCC chip remover
 - Size: (73533) 1.38"L x 1.13"W
(73541) 2.25"L x 1.31"W
(73550) 3.38"L x 1.63"W
(73568) 4.25"L x 1.94"W

Part No.	Product No.	Description	1-9	10-99
73533	PL28	28-pin PLCC	\$6.95	\$6.25
73541	PL44	44-pin PLCC	9.95	8.95
73550	PL68	68-pin PLCC	16.95	14.95
73568	PL84	84-pin PLCC	19.95	17.95



81672

Jameco 8/16-Bit Solderless Breadboards

- (21346) Plugs into PC/XT or compatible
- (81672) Plugs into an PC/XT/AT or compatible
- 62 data I/O lines and a DB25 connector for interfacing to peripherals
- External DB25 Female Connector
- 24 14-pin IC capacity • 1,940 Contact points
- Durable construction • Clearly labeled bus lines
- Size: 13.75" x 5" • One-year warranty

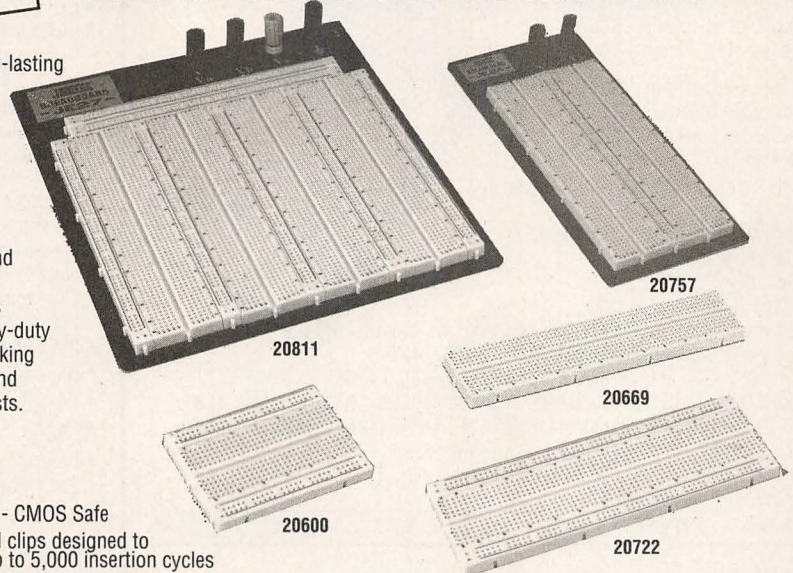
Part No.	Product No.	Description	1-9	10-99
21346	JE36	8-bit breadboard	\$47.95	\$42.95
81672	JE604	8/16 bit breadboard	57.95	51.95



Call for pricing in quantities over 100.

Jameco Solderless Breadboard Series

Jameco's long-lasting breadboards feature screen printed color coordinates and are suitable for many kinds of prototyping and circuit design. Larger models feature a heavy-duty aluminum backing with voltage and grounding posts.



Key Features:

- Low static, plastic body - CMOS Safe
- Nickel plated clips designed to withstand up to 5,000 insertion cycles
- Breadboard strips connect together to form larger working areas
- Components are easily interconnected using 20-29 AWG wire (see 19289 & 20079-left)
- Ideal for high frequency and low noise circuits
- Accepts most electronic components including integrated circuits and transistors
- One-year warranty

Part No.	Product No.	Terminal Strips	Bus Strips	Contact Points	Binding Posts	Size L x W (Inches)	Baseplate Size L x W (Inches)	1-9	10-99
94457	JE19	0	2	100	0	6.5 x 0.375	—	\$2.95	\$2.65
20343	JE20	0	2	200	0	6.5 x 0.75	—	3.95	3.49
20600	JE21	1	2	400	0	3.25 x 2.125	—	4.95	4.49
20669	JE22	1	0	630	0	6.5 x 1.375	—	5.25	4.75
20722	JE23	1	2	830	0	6.5 x 2.125	—	6.95	6.29
20757	JE24	2	1	1,360	2	6.5 x 3.125	8.5 x 4.0	11.95	10.75
20773	JE25	2	4	1,660	3	6.5 x 4.25	8.5 x 5.125	16.95	15.25
20790	JE26	3	5	2,390	4	6.875 x 5.75	9.125 x 6.875	22.95	20.65
20811	JE27	4	7	3,220	4	7.25 x 7.5	9.5 x 8.25	30.95	27.95

Jameco Digital Lab

Solderless Breadboard

1,680 interconnected nickel plated tie points, fitting all DIP sizes and all components with solid leads AWG #22-30 (0.3-0.8mm).

DC Power Supplies

All DC power supplies equipped with short circuit protection

Variable DC Power: Output voltage 0 to +15V and 0 to -15V

+5VDC Power Supply: Output voltage 5V ± 0.25V (no load to full load)
Maximum output current 1 Amp

-5VDC Power Supply: Output voltage -5V ± 0.25V (no load to full load)
Maximum output current 0.1 Amp

Two 7-Segment Displays

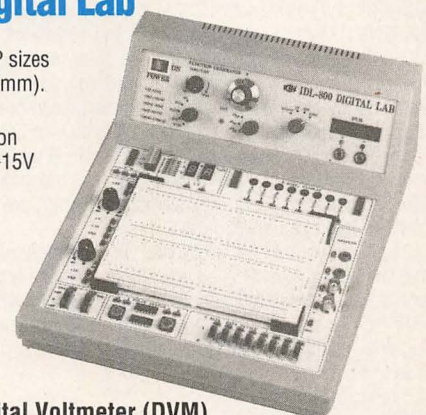
Common cathode operation

Function Generator

Frequency Range: 1Hz—10Hz
10Hz—100Hz
100Hz—1KHz
1KHz—10KHz
10KHz—100KHz (5 ranges)

Sine wave output: 0 — 8 Vp-p variable
Triangle wave output: 6Vp-p fixed
Square wave output: ±5V fixed

Part No.	Product No.	Description	1-4	5-9
75838	JE800	Digital Lab	\$279.95	\$249.95



Digital Voltmeter (DVM)

3 1/2 digits LED display
4 ranges:

0 — 199.9V	full scale
0 — 19.99V	full scale
0 — 1.999V	full scale
0 — 199.9mV	full scale

- Size: 10.625" W x 13.25" D x 5" H (back panel)
- One-year warranty • Weight: 6 lbs.

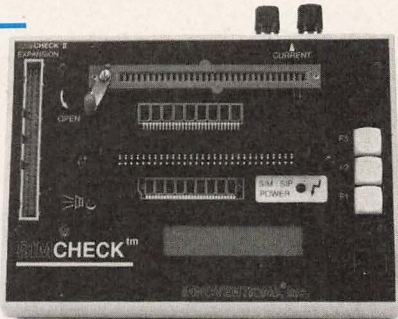
JAMECO™ Portable IC Tester

Our hand-held IC tester is an easy-to-operate, cost effective unit that includes excellent functions.

- Tests 14 to 20-pin devices
- Identifies unknown part numbers
- Hand-held unit for complete portability
- 16 character easy-to-read LCD displays results
- Includes test, search and type keys
- On-off switch • Portable
- Battery included
- 20 pin Textool ZIF socket
- 4 button control: test key, search key, type key, reset key
- Supports the following: • TTL Series: 7400, 74LS00, 74F00, 74S00, 74ALS00, 74H00, 74L00, 74C00, 74HCT00, 74HC00, 74HC00 • CMOS Series: CD4000, CD4500 • DRAM 41 Series: 4164, 41256, 411000 • DRAM 44 Series: 4416 (41416), 4464 (41464), 44256 (414256)
- Color: Black • Size: 7"L x 3.625"W
- Weight: 4 lbs. • One-year warranty



Part No.	Description	1-4	5-9
73525	Portable IC Tester	\$144.95	\$129.95

ARISTO
COMPUTER INC.


67635

This tester can pay for itself in less than a day!

SIMCHECK® SIMM/SIPP Memory Module and DRAM Tester

Tests most SIMM and SIPP memory modules and individual DRAM chips. SIMCHECK tests all standard SIMM and SIPP memory modules with 64K x 8 x 9, 256Kx8/x9, 1Mx8/x9, 2Mx8, 4Mx8/x9, and 16Mx8/x9. Optional adapters extend SIMCHECK's testing capacity to include other modules and individual DRAM chips. Special accessories provide unique solutions, such as a Device Handler which automatically feeds modules for unattended operation. (Please call us to discuss your special needs.) SIMCHECK is easy to use: place a module (or a chip) in the socket, press the F1 button and read the results on the display. Or, follow the clear menu display to set your own test procedure. Most operator errors are tolerated, and incorrectly inserted chips are not damaged.

- Portable stand-alone SIMM/SIPP Tester
- Tests all standard 30 pin SIMM and SIPP memory modules up to 16Mx8/x9
- Two line LCD shows detailed test results, module type and speed
- High speed 16 bit processor simultaneously tests all data bits
- CHIP-HEAT cycle automatically heats modules for temperature dependent tests
- Upgradable and expandable for future products
- Power requirement: 110-120 VAC 60 Hz
- LED indicator power on
- 32 pin Textool SIPP test socket • Spring loaded SIMM test socket
- Separate on/off switch • Separate 50 pin expansion converter
- 4 function control keys • Temperature range 0°C to 50°C
- SIMM and SIPP memory modules tested: 64Kx8/x9 256Kx8/x9
1Mx8/x9 2Mx8/x9
4Mx8/x9 16Mx8/x9
- Color: Gray • Size: 6.75"L x 5"W x 1.5"H
- Weight: 2 lbs. • One-year warranty

Part No.	Description	1-4	5-9
67635	SIMM/SIPP tester	\$899.95	\$859.95
67619	64Kx1, 256Kx1, 1Mx1, 4Mx1 DRAM chip adapter ...	99.95	89.95
67627	64Kx4, 256Kx4, 1Mx4 DRAM chip adapter	99.95	89.95

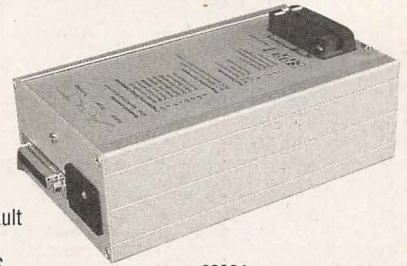
ART EPROM Programm

Applied Reader Technology

- Can be operated from any host system equipped with an RS232 interface

Specifications:

- Operating voltage: 115 VAC
- Power consumption: 8VA
- Interface: RS232
- Connector: DB25 (female)
- Memory: up to 4 MB
- Aries ZIF test socket
- Data formats: Motorola s1f, s2f, s3f • Data bits: 8
- Parity: None, even, odd, default none
- Flow control: None, RTS/CTS, XON/XOFF, Default RTS/CTS
- Start/Stop bits: 1
- Dimensions: 6.5"L x 4"W x 2.25"H
- Weight: 1.5 lbs. • One year warranty



82384

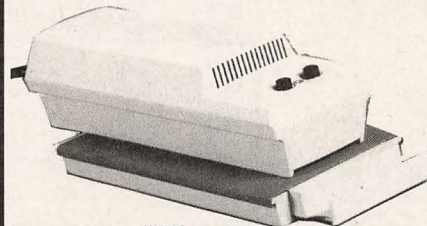
82384:

- Programs all current EPROMs up to 1 MB: 2716-27010; 2804-28256; also 27CXXX and 28CXXX series
- Selectable VPP from 5V-25V • Weight: 2 lbs.

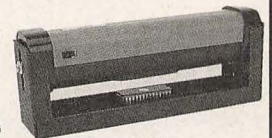
81699:

- The 81699 command line interpreter enables the user to enter one or more single character commands at once.
- Programs EPROMs up to 8 MB: 2716-27080; 2804-28256; also 27CXXX and 28CXXX series • Weight: 3 lbs.

Part No.	Product No.	Description	1-4	5-9
82384	EPP-1F	EPROM Programmer (1MB)	\$199.95	\$179.95
81699	EPP-2	EPROM Programmer (8MB)	299.95	269.95



15712



66042

EPROM Erasers

Durable, Economical Desktop EPROM Eraser

15712:

- Erases all EPROM's
- Erases 1 chip in 15 minutes
- Erases 8 chips in 21 minutes
- Maintains constant exposure distance of 1"
- Special conductive foam liner eliminates static build-up
- Built-in safety lock to prevent UV exposure
- Complete with holding tray for 8 chips
- UV intensity: 6.8mW/cm²
- Size: 9.0"L x 3.7"W x 2.6"H
- Weight: 2.25 lbs.
- One-year manufacturer's warranty

Affordable Battery Operated UV EPROM Eraser Quickly Erases EPROMs in the Field!

66042:

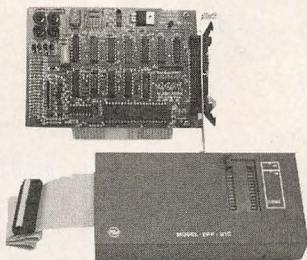
- Erases all EPROM's
- Erases 1 chip in 7 minutes
- Special conductive foam liner eliminates static build-up
- Battery operated
- Four AA Batteries required (not included). Recommended part # 32627 —see below
- UV intensity: 6.5mW/cm²
- Size: 6.75"L x 1.5"W x 2.25"H
- Weight: 0.6 lbs
- One-year manufacturer's warranty

Part No.	Product No.	Description	1-4	5-9
15712	DE4	8-Chip UV-EPROM eraser	\$89.95	\$81.95
34382	UVS11	Replacement lamp for DE4	29.95	26.95
13864	CF2	Conductive foam (12" x 24" x 0.25")	9.95	8.95
66042	DE1	UVP portable EPROM eraser	49.95	44.95
32627	S3300	'AA' Ni-Cad batteries (for 66042)	2.49	2.25

1 Socket 16K-512KB E(E)PROM Programmer



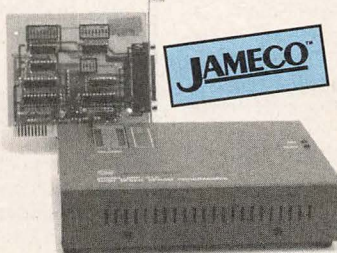
- Programs EPROM's, EEPROM's
- Programs 16KB to 512KB EPROM's
- Programming speeds/algorithms: Normal, Intelligent, and Quick pulse
- File formats supported: Intel Hex, Motorola S Hex, Tektronix Hex, and binary
- Menu driven software
- Full screen buffer editor
- 2 & 4-way Binary file splitting programs
- 2 & 4-way Binary file shuffler programs
- Includes adapter card, software and manual
- Size: 7"L x 5.5"W x 1.75"H
- Weight: 1.5 lbs.
- One-year warranty



Part No.	Product No.	Description	1-4	5-9
101400	EPP01	E(E)PROM Programmer	\$129.95	\$116.95

1 Socket 16K-2MB E(E)PROM Programmer

- Programs EPROM's, EEPROM's, and Flash memories
- Programs 16KB to 2MB EPROM's
- Programming speeds/algorithms: Normal, Intelligent, and Quick pulse
- Menu driven software
- File formats supported: Intel Hex, Motorola S Hex, Tektronix Hex, and Binary
- 2 & 4-way Binary file splitting programs
- 2 & 4-way Binary file shuffler programs
- Includes adapter card, software and manual

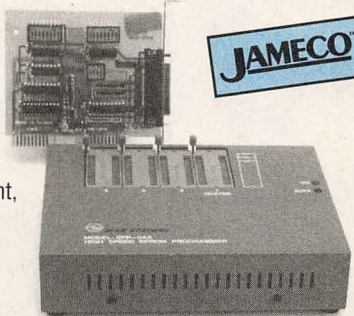


- Full screen buffer editor
- Size: 7"L x 5.5"W x 1.75"H
- Weight: 3 lbs.
- One-year warranty

Part No.	Description	1-4	5-9
78457	1 Socket 16K-2MB E(E)PROM Programmer	\$199.95	\$179.95

4 Socket 16K-2MB E(E)PROM Programmer

- Programs EPROM's, EEPROM's, and Flash memories
- Programs 16KB to 2MB EPROM's
- Programming speeds/algorithms: Normal, Intelligent, and Quick pulse
- Menu driven software
- File formats supported: Intel Hex, Motorola S Hex, Tektronix Hex, and Binary
- Full screen buffer editor
- 2 & 4-way Binary file splitting programs
- 2 & 4-way Binary file shuffler programs
- Includes adapter card, software and manual



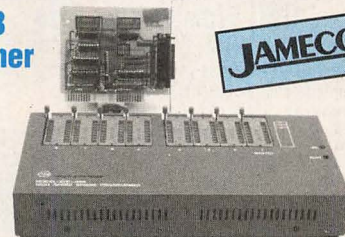
- Size: 7"L x 5.5"W x 1.75"H
- Weight: 2.5 lbs.
- One-year warranty

Part No.	Description	1-4	5-9
78465	4 Socket 16K-2MB E(E)PROM Programmer	\$269.95	\$242.95

8 Socket 16K-2MB E(E)PROM Programmer



- Programs EPROM's, EEPROM's, and Flash memories
- Programs 16KB to 2MB EPROM's
- Programming speeds/algorithms: Normal, Intelligent, and Quick pulse
- Menu driven software
- File formats supported: Intel Hex, Motorola S Hex, Tektronix Hex, and Binary
- Full screen buffer editor
- 2 & 4-way Binary file splitting programs
- 2 & 4-way Binary file shuffler programs

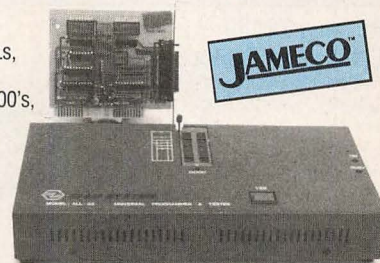


- Includes adapter card, software and manual
- Size: 7"L x 5.5"W x 1.75"H
- Weight: 3 lbs.
- One-year warranty

Part No.	Description	1-4	5-9
78473	8 Socket 16K-2MB E(E)PROM Programmer	\$469.95	\$422.95

1 Socket 16K-8MB Universal IC Programmer

- Programs PROM's, EPROM's, EEPROM's, Flash memories, Bipolar PROM's, PALs, PLD's, GALs, and MPU's
- Functional testing of 7400's, CD4000's, CD4500 series logic devices, and DRAM and SRAM Memory
- Programs 16KB to 8MB EPROM's
- Programming speeds/algorithms: Normal, Intelligent, Interactive, Quick pulse, and Flashrite
- Manufacturer and part number selection to ensure correct programming method
- File formats supported: Intel Hex, Motorola S Hex, Tektronix Hex, JEDEC, and Binary
- Electronic device identification for TTL
- 2 & 4-way Binary file splitting programs
- 2 & 4-way Binary file shuffler programs
- Includes adapter card, software and manual



- Menu driven software
- Full screen buffer editor
- Size: 10.25"L x 5.5"W x 1.75"H
- Weight: 4 lbs.
- One-year warranty

Part No.	Description	1-4	5-9
78481	1 Socket 16K-8MB Universal IC Programmer	\$679.95	\$619.95

JAMECO Device Modules for Universal IC Programmer

Expand the programming capabilities of the Universal IC Programmer (78481-see above) simply by adding device modules.



81904

81891



Gang Adapter Modules

Save time with Jameco's gang adapter modules and expand the programming capabilities of the Universal IC programmer (78481-see above). Gang adapter modules are ideal for larger volume programming because they can program up to 4 devices at one time.

Part No.	Description	Price
82026	4 gang adapter for 32-pin EPROMs	\$109.95
81963	4 gang adapter for 40-pin EPROMs	149.95

PLCC Converters

The Universal IC Programmer (78481-see above) can be enhanced to support the programming needs of PLCC Devices.

Part No.	Description	Price
82051	For 32-pin PLCC EPROMs up to 512K	\$109.95
81980	28-pin PLDs. No connection on pins 1, 8, 15, 22	99.95

Custom Adapter Modules

Custom adapter modules enable you to program a variety of additional devices on the Universal IC Programmer (see above). Modules include software where applicable.

Part No.	Description	Price
78932	For 68705 series. Two sockets, one 28-pin DIP, one 40-pin DIP.	\$189.95
78844	For Motorola 68HC705 series	179.95

ROM Emulator Modules

- Emulates popular EPROMs
- Provides flexibility for program development

Part No.	Description	Price
81998	Battery backup RAM emulates EPROM 27512	\$119.95

Programmer Selection Table

Part Number	Programs PROM's	Programs EPROM's	Programs EEPROM's	Programs Flash Memories	Programs Bipolar PROM's	Programs PLD's	Programs MPU's
78457		X	X	X			
78465		X	X	X			
78473		X	X	X			
78481	X	X	X	X	X	X	X

OWI Electronics Kits

Kosmos X1000 Electronics Beginner

Professor Sparky teaches you basic electronics concepts in an entertaining, hands-on format. With Professor Sparky as your guide, you'll be able to set up the following experiments in just minutes:

- AM radio • Morse buzzer
- Lie-detector
- Electronic musical instruments
- Mosquito repeller and more!
- 110 total experiments.
- Ideal for hobbyists and students.
- Kit includes extensive 100 page instruction manual complete with diagrams. Instruction manual explains electronics concepts and how to conduct the experiments.
- Requires one 9V battery • Weight: 1.8 lbs.
- Color: Gray • Size: 7.25"L x 5.25"W x .75"H

Part No.	Product No.	Description	1-9	10-24
100466	X1000	Kosmos X1000	\$49.95	\$44.95

Kosmos X2000 Electronics Explorer

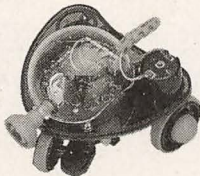
An expanded version of the Electronics Beginner. Professor Sparky's back - this time with 174 experiments, including:

- Automatic traffic lights
- Radio with loudspeaker
- "Clap-hands" switch
- Racing-bike simulator
- Transistor tester and more!
- Kit includes extensive 100 page instruction manual complete with diagrams. Instruction manual explains electronics concepts and how to conduct the experiments.
- Requires one 9V battery • Color: Gray • Weight: 2.6 lbs.
- Size: 7.5"L x 5.5"W x 2.75"H

Part No.	Product No.	Description	1-9	10-24
100458	X2000	Kosmos X2000	\$89.95	\$79.95

OWI Robot Kits

These battery-operated, electronic robot kits come ready to assemble. Stimulating educational challenge for hobbyists and students. Kits teach introductory concepts of robotic science.



Manta Robot Kit

Manta is a robot kit with a built-in sensor that reacts to vibration from sound or physical contact. Manta moves forward until it comes into contact with an obstacle or hears a loud noise, such as a hand clap. It then automatically reverses itself for a preset time and continues on a new course.

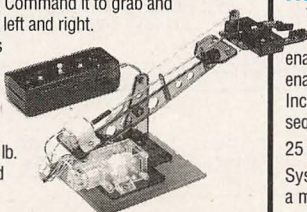
- Some assembly required
- Color: Gray & yellow
- Movement: 3 wheels driven by 1 DC motor
- Control: Sound sensor - condenser microphone
- Requires 2 AA Batteries (Jameco part #32627)
- Recommended for ages 10 and up. • Weight: 0.7 lb.

Part No.	Product No.	Description	1-9	10-24
100482	MV966	Manta Robot Kit	\$39.95	\$35.95

Robotic Arm Kit

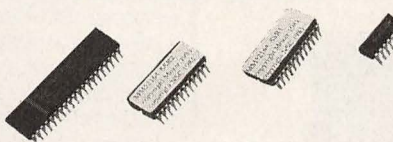
Using the hand-held wired controller you can direct the Robotic Arm to move small objects. Command it to grab and release, lift and lower, pivot left and right.

- Movement: 3 DC motors provide power to gears and drive shaft
- Control: Wired control box
- Color: Gray • Weight: 0.9 lb.
- Some assembly required
- Requires 2 C batteries (Jameco part #32635)



Part No.	Product No.	Description	1-9	10-24
100474	Y01	Robotic Arm Kit	\$54.95	\$49.95

National Semiconductor Digitalker™ DT1050 Voice Synthesizer Chip Set & Accessories



Applications:

- Automotive
- Teaching aids
- Telecommunications
- Clocks
- Language translations

The DT1050 is a standard DIGITAL TALKER Chip Set encoded with 137 separate and useful words, 2 tones and 5 different silence durations. The words and tones have been assigned discrete addresses, making it possible to output single words or words linked together into phrases or sentences. The "voice" output is a highly intelligible male voice. Vocabulary is chosen so that it is applicable to many products and markets.

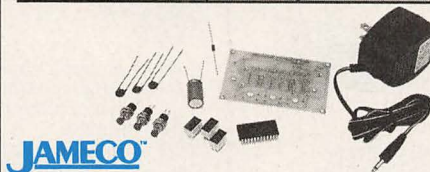
16491: The DT1050 Includes: • 1 each Speech Processor Chip, MM54104N (40-pin) • 1 each 74LS04 • 2 Speech ROMs, MM52164SSR1 (24-pin) and MM52164SSR2 (24-pin) • Master Word List • The recommended schematic diagram is included on the application sheet.

16504: The DT1057 Includes: • 2 Speech ROMs, MM52164SSR5 (24-pin) and MM52164SSR6 (24-pin) • 1 each 74LS04 (14-pin)

Part No.	Product No.	Description	1-9	10-24
16491	DT1050	Digitalker™ (4 Chips and Data)	\$39.95	\$37.95

ACCESSORIES

16504	DT1057	Expands DT1050's vocabulary from 137 to 260+ words (includes 3 chips and specs)	24.95	23.69
26147	MM54104N	Speech processor chip and data	24.95	23.69
14592	CY4	Required 4MHz crystal for system timing	1.09	.89



.362" Red 4 Digit Clock Kit

- 24 Hour mode. LED display.
- 50/60Hz Line frequency
- Snooze and alarm function (MM5386N)
- Complete with P.C. board, clock chip, displays, wall transformer, components and assembly instructions
- Assembly required. Case not included.
- P.C. board size: 3.5"L x 2.25"H x .07"D • Weight: 0.7 lb.

Part No.	Product No.	Description	1-9	10-99
82528	5386Kit	.362" Red 4 Digit Kit	\$14.95	\$13.49

Robotic Arm IBM Interface (see left)

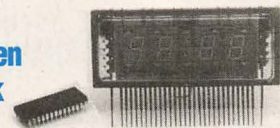
This interface connects the Robotic Arm to the parallel port of an IBM PC/compatible computer. Includes software that enables you to control the Robotic Arm, 100474. Software enables you to create up to 30 sequential steps of motion. Includes functions for editing, saving and retrieving motion sequences.

25 pin parallel connector; Cable length: 5 ft.

System requirements: IBM PC/compatible computer with a minimum of 64K RAM and a 5.25" diskette, 360KB or greater disk drive. • Weight: 0.4 lbs.

Part No.	Product No.	Description	1-9	10-24
100440	Y01-IBM	Robotic Arm IBM Interface	\$49.95	\$44.95

JAMECO™ .5" Blue Green 4 Digit Clock Display



- 12/24 Hour mode Fluorescent display.
- 50/60Hz Line frequency • Colon/10 bar indicator
- Includes MK50250 clock chip • Size: 4"L x 1.5"H x .75"D

Part No.	Description	1-9	10-24
82481	.5" Blue Green Display	\$4.95	\$4.49

JAMECO™ 1.8" Red 4 Digit Clock Display



- 12/24 Hour mode LED display. • 50/60Hz Line frequency
- Colon/alarm display • Includes MM5384N clock chip
- Size: 7.25"L x 2.25"H x .38"D

Part No.	Description	1-9	10-24
82499	1.8" Red 4 Digit Display	\$14.95	\$13.49

JAMECO™ 2.5" Red 4 Digit Clock Module



- 12/24 Hour mode LED display. • 60Hz Line frequency
- Complete with pre-assembled P.C. board, clock chip, two set switches and AC wall transformer
- Size: 8.5"L x 3"H x 1"D

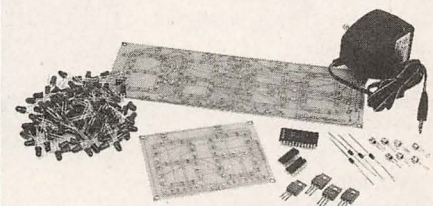
Part No.	Product No.	Description	1-9	10-24
82501	CSK2545E	2.5" 4 Digit Module	\$34.95	\$31.49

JAMECO™ 4" Red 4 Digit Clock Module



- 12 Hour mode LED display. • 60Hz Line frequency
- Complete with pre-assembled P.C. board, clock chip, two set switches and AC wall transformer
- Size: 11.5"L x 5.25"H x 1"D

Part No.	Product No.	Description	1-9	10-24
82510	CSK4045E	4" 4 Digit Module	\$49.95	\$44.95



JAMECO™ 2" Red 6 Digit Clock Kit

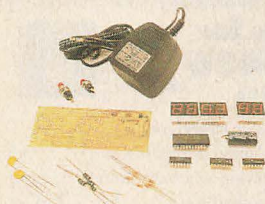
- 12/24 Hour mode LED (dot) display.
- 50/60Hz Line frequency
- 126 ea. (T 1-3/4") Red LEDs make display
- Complete with P.C. board, clock chip, (MM5314N) displays, wall transformer, components and assembly instructions
- Assembly required. Case not included.
- P.C. board size: 9"L x 3"H x .07"D, 4"L x 3"H x .07"D
- Weight: 1 lb.

Part No.	Product No.	Description	1-9	10-99
82552	5314Kit	2" Red 6 Digit Kit	\$59.95	\$53.95

JAMECO™ .560" Red 6 digit Clock Kit

Education Kit for Schools, Universities and Hobbyists

- 12 or 24 hour mode. LED display.
- 50 and 60Hz line frequency
- Calendar (5375AC Kit) alarm (5375AG Kit)
- Complete with P.C. board, clock chip, displays, wall transformer, components and assembly instructions
- Assembly required. Case not included.
- P.C. board size: 4"L x 2.25"H x .07"D

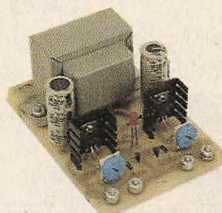


Part No.	Product No.	Description	1-9	10-24
82536	5375AC	24 Hr. 50Hz 6 Digit Kit.....	\$19.95	\$17.95
82544	5375AG	12 Hr. 60Hz 6 Digit Kit.....	\$19.95	\$17.95

JAMECO™ Adjustable Power Supply Kit

± 5VDC to ± 15VDC @ 175mA to 750mA

- 48 piece kit (components/hardware)
- Adjustable positive and negative supplies
±5 to ±15VDC regulated, 175mA - 750mA per
- Positive and negative 1.2VDC to 15VDC
- Power output (each supply): 5VDC @ 750mA
12VDC @ 500mA, and 15 VDC @ 175mA
- 120VAC input
- PC board construction
- LED on indicator
- Size: 5.062"L x 3.5"W x 2.0"H

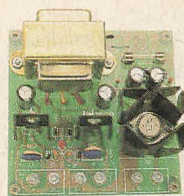


Part No.	Product No.	Description	1-9	10-24
20626	JE215	Adjustable Power Supply Kit ..	\$19.95	\$17.95

JAMECO™ Triple Voltage Power Supply Kit

± 5VDC @ 1 Amp, +3 to +12VDC @ 100 mA & -3 to -12 VDC @ 100mA

- 103 Piece kit (components/hardware)
- Power output: Fixed + 5VDC output @ 100mA,
Adjustable +3 to +12VDC @ 100mA,
Adjustable -3 to -12 VDC @ 100mA
- Input Voltage 120VAC • Fuse protected
- PC board construction
- Size: 5.12"L x 5.12"W x 2.25"H
- Comes with power cord
- Includes all required hardware



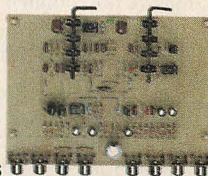
Part No.	Product No.	Description	1-9	10-24
73613	JE225	Triple Voltage Power Supply Kit	\$29.95	\$26.95

DECADE
VIDEO
PRODUCTS

Electronic Crossover Kit

Audio Amplifier/Filter

The Electronic Crossover kit is a uniquely versatile audio filter. Simply stated, it lets you Bi-Amp your car or home stereo system, by splitting low and high audio frequencies for separate power amplifiers. Few sound system upgrades offer the profound performance improvement of Bi-Amplification, but with the electronic crossover kit, you can also cascade individual filters or entire assemblies to create super sharp filter response.



Crossover Frequency: 100 - 10KHz (variable, in 2 ranges)
Crossover Rate: 12 dB/Octave (2nd order system)
Audio Bandwidth: 5Hz- 100KHz @ -3dB
Power Supply: 12VDC nominal @ ~15mA
Recommend: Power Supply #20626-(above)

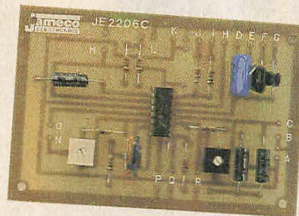
PCB Dimensions (exclusive of jacks): 5.50"L x 4.05"W

Part No.	Description	1-9	10-24
70501	Electronic Crossover Kit.....	\$44.95	\$39.95

*Kits do not include fabrication tools, cabinets or supplies such as solder. Jameco warranty does not cover any parts after they have been soldered. Some applications require multiple kits.

JAMECO™ Function Generator Kit

Sine, triangle and square wave



Great for prototyping electronic circuits, whether analog or digital! Produces sinusoidal, triangular (saw-tooth), and square wave-forms at frequencies continuously variable from 1 kHz to 100 kHz. Requires 12 VDC supply or ±6 VDC split supply.

Recommend power supply # 20626-(left).

21 piece kit (chip, components, PC board, hardware).

Dimensions: 4.125"L x 1.5"W

Part No.	Product No.	Description	1-9	10-24
20685	JE2206	Function Generator Kit.....	\$19.95	\$17.95

JAMECO™ Fiber Optics Kit

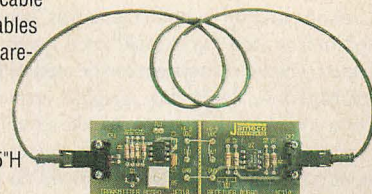
Use light to transmit and receive information

Discover the intriguing principles of fiber optics data communications.

The kit includes separate transmitter and receiver circuit boards, fiber optics cable and all connectors for interfacing cables with the circuit boards. Either a square-wave or TTL signal from 200 Hz to 5 kHz can be inputted.

Requires 9 volt battery

Dimensions: 4.125"L x 1.5"W x 0.25"H



Part No.	Product No.	Description	1-9	10-24
21135	JE310	Fiber optics Kit	\$19.95	\$17.95

DECADE
VIDEO
PRODUCTS

Voice Scrambler Kit

Scramble and descramble audio information

Transmit voice messages with complete privacy and security. Converts human speech into an unrecognizable garble for recording or transmitting over standard media. The descrambler mode restores the signal to fully intelligible speech. Operate with a cassette tape recorder or build a secure telephone system using multiple kits at each end of the line.

Audio Power Output: 0.5 Watts

Resolution: 8 bits (companded, Mu-Law)

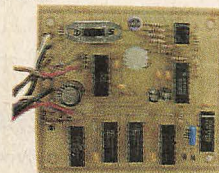
Sample Rate: 8 kHz

Power Supply: +5 & -5 VDC @ 25 mA,

+12 VDC @ 250 mA;

Recommend power supply #73613-(left)

Dimensions: 3.55"L x 3.10"W



Part No.	Description	1-9	10-24
70519	Voice Scrambler Kit	\$39.95	\$35.95

DECADE
VIDEO
PRODUCTS

Two-Digit Voltmeter Kit

.3" display with 2% accuracy

Now you can build a versatile, practical, high-performance digital panel voltmeter. Finished kits deliver ± 2% accuracy at full scale.

Its basic input range of 0.0 to 9.9 VDC is easily scaled for any application.

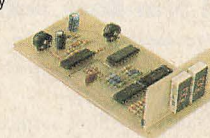
Input Impedance: 82 Ohm with 9.9 VDC range

Displays: 0.3" red MAN74A type

Power Supply: +5 VDC, regulated, 100mA;

Recommend power supply #20360-(left)

Dimensions: 4.3"L x 2.2"W x 1.3"H



Part No.	Description	1-9	10-24
70527	Two-Digit Voltmeter Kit	\$29.95	\$26.95

JAMECO™ 80486DX 40MHz Bare-bones System



Bare bones system includes motherboard, computer case and power supply

Create a powerful computer system at "bare bones" prices. Jameco's bare bones system is an ideal way to build a new system or, to upgrade your existing system. Jameco's bare-bones system can be used with your existing components: monitor, hard drive, floppy drive, graphics adapter and keyboard. You don't have to buy a completely new system to take advantage of the latest improvements in processor technology. And installation is easy. Jameco manuals guide you step-by-step through the installation process. So when you want the latest in computer technology, don't spend thousands of dollars. Just buy the "bare bones".

Features:

- 486DX 40MHz CPU
- 128KB cache memory (expandable to 256K)
- Supports UNIX, XENIX, Novell, OS/2 and most popular software
- Desktop case with 200 watt power supply
- Reset keyboard and power switch in front
- One internal and four external bays
- 110/220 switchable power supply
- Memory expandable to 32MB
- AMI BIOS
- Socket for math coprocessor
- One 8 bit and six 16 bit slots
- FCC approved
- 110/220 VAC 50/60Hz input
- Case size: 16.5"L x 15"W x 7"H
- Weight: 28 lbs.
- One-year warranty

Part No.	Description	1-4	5-9
95151	486DX 40MHz.....	\$399.95	\$369.95

Digital Research® DR DOS 5.0 and 6.0* Upgrades

*Special price limited to Jameco's previous and current computer product purchasers.

Part No.	Product No.	Description	1-9	10-24
16176	DRDOS53M	V.5.0 3 1/2" disk with manual.....	\$19.95	\$17.95
16184	DRDOS55M	V.5.0 5 1/4" disk with manual.....	19.95	17.95
16192	DRDOS63M	V.6.0 3 1/2" disk with manual.....	39.95	34.95
16205	DRDOS65M	V.6.0 5 1/4" disk with manual.....	39.95	34.95
101784	DRDOS53	V.5.0 3 1/2" disk without manual.....	14.95	9.95
101776	DRDOS55	V.5.0 5 1/4" disk without manual.....	14.95	9.95
101792	DRDOS63	V.6.0 3 1/2" disk without manual	29.95	24.95
101768	DRDOS65	V.6.0 5 1/4" disk without manual	29.95	24.95

Word Star Easy Software

Word Processing Software

- For PC/XT/AT/386 and compatible computers
- 87,000 word spelling corrector
- Comes on 5.25" diskette
- Pop-up menu

* Please specify if purchasing for a 386 computer



Part No.	Product No.	Description	Price
16660	EASY	Easy Software.....	4.95



JAMECO™ Heatsink/Fan for 80486 CPU!

Keep your 80486 cool!

- Installation is easy! Just snap it in with out having to remove your CPU from the motherboard.
- 6.3 CFM
- Size: 1.95"L x 1.95"W x .80"H

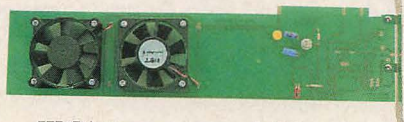
Part No.	Description	1-9	10-24
67660	486 Heatsink w/fan ...	\$12.95	\$11.49



JAMECO™ 486 Heatsink

- Easy installation; just press it on.
- Plastic clips snap into place holding the heat sink firmly to CPU
- Size: 1.90"L x 1.90"W x .28"H
- Color: Black

Part No.	Description	1-9	10-24
85497	486 Heatsink	\$7.95	\$6.95



Torri Fancard II

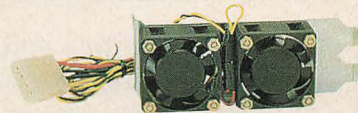
- Can be installed into any PC slot
- Circulates air directly on and around boards and components prone to overheating
- CFM: 25 • Size: 13.4"L x 0.7"W x 3.3"H
- One year warranty

Part No.	Description	1-9	10-24
79020	Fancard II	\$38.95	\$34.95

JAMECO™ Desert Cooler

- Installs on the back panel of your computer
- Cools down your computer by more than 80% • CFM: 30
- Size: 4.8"L x 1.6"W x 1.5"H
- One year warranty

Part No.	Description	1-9	10-24
79011	Desert Cooler.....	\$44.95	\$39.95



67483



10495

MS DOS v.6.0, MS Windows v.3.1 and AMI* Diagnostic Software

*Special price limited to Jameco's previous and current computer product purchasers.

Part No.	Product No.	Description	1-9	10-24
82561	MS DOS	MS DOS v.6.0.....	\$59.95	54.95
67483	MS Windows	Windows v.3.1.....	39.95	34.95
10495	AMI DIAG	Diagnostic Software	39.95	34.95

DIGITAL RESEARCH™

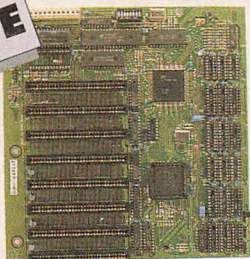
Multituser DOS™

- Offers multitasking of up to eight programs at a time and system security to keep private information private
- Utilizes the same user interface and familiar commands as DOS so there's no new system to learn
- Features built-in command line history and editing, and command line help is available for all utilities



Part No.	Product No.	Description	1-4	5-9
16256	DRMDOS	Multituser DOS v.5.0 Software.....	\$149.95	\$129.95

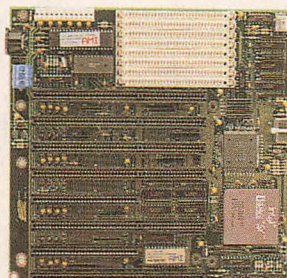
VALUE



Jameco XT Compatible Motherboard

- HED BIOS • 10MHz processing speed
- Supports up to 1024KB of RAM
- Supports shadow RAM
- Includes free word processing program WordStar Easy & DR DOS V. 5.0 software
- Eight 8-bit expansion bus slots
- RAM disk, printer spooler and hard disk cache drivers included
- Size: 8.5" W x 8.5" L • Fits most Jameco cases
- One-year warranty

Part No.	Description	1-4	5-9
84945	XT 10MHz w/ CPU.....	\$79.95	\$71.95

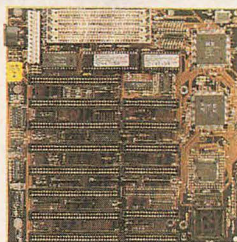


79214

Jameco 80486SX Compatible Motherboard

- 25MHz • AMI BIOS
- Supports up to 32MB of RAM on-board
- Supports Unix, Xenix, Novell, OS/2, and most popular software
- Six 16-bit slots and two 8-bit slots
- Size: 9" L x 8.8" W
- Fits most Jameco cases • One-year warranty

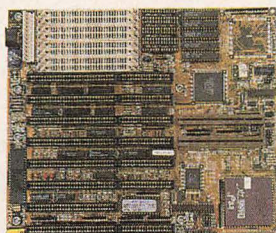
Part No.	Description	1-4	5-9
79222	80486SX 25MHz w/out CPU	\$129.95	\$116.95
79214	80486SX 25MHz w/CPU	\$289.95	\$259.95



Jameco 80386SX Compatible Motherboard

- 33MHz • AMI BIOS
- Supports up to 16MB of RAM on-board
- Supports Unix, Xenix, Novell, OS/2 and most popular software
- Math co-processor socket
- Six 16-bit slots and two 8-bit slots
- Size: 8.58" L x 8.58" W
- Fits most Jameco cases
- One-year warranty

Part No.	Description	1-4	5-9
101821	80386SX 33MHz w/CPU.....	\$124.95	\$114.95

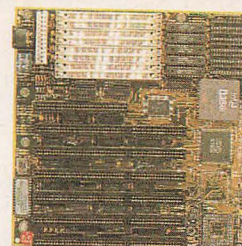


95222

Jameco 80486DX Compatible Motherboards

- (95222) 33MHz ; (95231) 50MHz
- AMI BIOS
- Supports up to 32MB of RAM on-board
- (95222) 128KB; (95231) 256KB Cache RAM
- Supports Unix, Xenix, Novell, OS/2, and most popular software • Fits most Jameco cases
- Two 32-bit VESA slots, seven 16-bit (five when using both Local bus slots) and one 8-bit slot
- Size: 10.25" L x 8.58" W • One-year warranty

Part No.	Description	1-4	5-9
95214	80486DX 33MHz w/out CPU	\$179.95	\$161.95
95169	80486DX 50MHz w/out CPU...	\$199.95	\$179.95
95222	80486DX 33MHz w/CPU ...	\$549.95	\$519.95
95231	80486DX 50MHz w/CPU ...	\$799.95	\$749.95



82350

Jameco 80386DX Compatible Motherboards

- (82350) 33 MHz; (82333) 40MHz
- AMI BIOS
- Supports up to 32MB of RAM on-board
- 128KB Cache RAM
- Supports Unix, Xenix, Novell, OS/2, and most popular software
- Math co-processor socket
- Six 16-bit slots and one 8-bit slot
- Size: 8.5" L x 8.5" W • Fits most Jameco cases
- One-year warranty

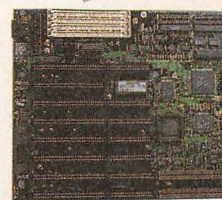
Part No.	Description	1-4	5-9
82341	80386DX w/out CPU	\$129.95	\$116.95
82350	80386DX 33MHz w/ CPU.....	\$219.95	\$199.95
82333	80386DX 40MHz w/ CPU.....	\$239.95	\$215.95

Jameco 80486SLC Motherboard

Reduced Pricing!

Two bus mastering
VESA Local-Bus slots

- 50 MHz
- AMI BIOS
- Supports up to 16MB of memory
- 64KB static RAM cache
- Supports Xenix, Novell, OS/2 and most popular software
- Shadow RAM for fast BIOS and video performance
- Seven 16-bit (five when using both Local bus slots) and one eight bit ISA expansion slot
- Math co-processor socket
- Size: 9.8" L x 8.6" W • One-year warranty



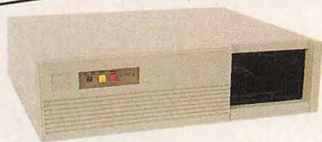
93534

Part No.	Description	1-4	5-9
93534	80486SLC 50MHz w/CPU	\$399.95	\$379.95

Motherboard Part # Configuration	RAM CONFIGURATION CHART									
	256K	512K	640K	1MB	2MB	4MB	8MB	16MB	20MB	32MB
84945 8088	—	514256P-10 (4) & 41256-100 (2)	514256P-10(4) & 41464-10 (4) & 41256-100 (2) & 4164-100 (2)	514256P-10 (8), 41256-100 (4)	—	—	—	—	—	—
101821 80386SX	—	41256A9B-80 (2)	—	41256A9B-80 (4)	421000A9B-80 (2)	421000A9B-80 (4)	94000S-80 (2)	94000S-80 (4)	—	—
82350, 82333 80386DX	—	—	—	41256A9B-80 (4)	41256A9B-80 (8)	421000A9B-80 (4)	421000A9B-80 (8)	94000S-80 (4)	—	94000S-80 (8)
79214 80486SX	—	—	—	41256A9B-80 (4)	41256A9B-80 (8)	421000A9B-80 (4)	421000A9B-80 (8)	94000S-80 (4)	—	94000S-80 (8)
95222, 95231 80486DX	—	—	—	41256A9B-80 (4)	41256A9B-80 (8)	421000A9B-80 (4)	421000A9B-80 (8)	94000S-80 (4)	—	94000S-80 (8)
93534 80486SLC	—	41256A9B-80 (2)	—	41256A9B-80 (4)	42100A9B-80 (2)	421000A9B-80 (4)	94000S-80 (2)	94000S-80 (4)	—	—

Please note: Numbers printed in parentheses represent the quantity of modules/chips required.

• Order Toll Free 1-800-831-4242 • Toll Free FAX 1-800-237-6948 • BBS 415-637-9025



Jameco PC/XT Compatible Desktop Case

19465/67467 power supply recommended

- Fits all XT motherboards
- Four half-height 5.25" drive bays, two exposed
- Metal housing and chassis
- Anti-static coated plastic face plate
- Back panel with 8 expansion slots, two DB25 openings and power supply mount
- Switches for turbo and reset
- Indicator lights for power, turbo and hard disk operation
- Speaker and hardware included
- Keyboard lock with 2-keyset
- Color: beige
- Size: 19.5"W x 16.25"D x 5.87"H
- Weight: 13 lbs.
- One-year warranty

Part No.	Product No.	Description	1-9	10-24
20511	JE2021	Desktop slide case	\$49.95	\$44.95

Jameco Desktop Flip Top Case



19553 power supply recommended

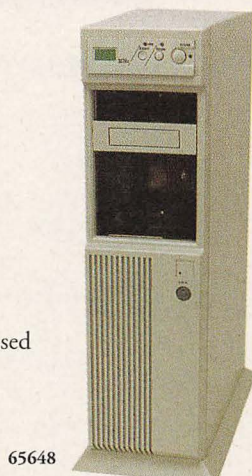
- Fits baby AT and XT motherboards
- Three half-height 5.25" drive bays, three exposed
- One exposed half-height 3.5" drive bay
- Front panel turbo, power, and reset switches
- Keyboard lock with 2-keyset
- Indicator lights for power, turbo and hard drive
- Back panel with two DB9, and two DB25 openings
- Speaker & hardware included
- Eight rear panel expansion slots
- Size: 15.0"W x 16.5"D x 7"H
- Weight: 13 lbs.
- One-year warranty

Part No.	Product No.	Description	1-9	10-24
20520	JE2022	Desktop flip top case	\$39.95	\$35.95

Jameco Vertical Cases with Power Supply

*Great LAN server case!
Room to grow and grow again.*

- Fits all size motherboards
- Removable sides for easy access
- Space saving free standing case
- Metal housing and chassis
- Anti-static coated plastic face plate
- Back panel with 8 expansion slots
- Switches for turbo and reset
- Indicator lights for power, turbo and hard disk operation
- Keyboard lock with 2-keyset
- Six half-height drive bays; Four exposed
- Speaker and hardware included
- Color: beige
- Size: 7.0"W x 16.0"D x 24.5"H
- Weight: 34 lbs.
- One-year warranty



65648

Part No.	Product No.	Description	1-4	5-9
67424	JE2030B	Vertical Case /250 Watt power supply	\$199.95	179.95
65648	JE2030A	Vertical Case /300 Watt power supply	229.95	199.95



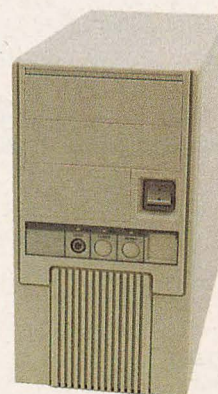
Jameco Desktop Slide Case with 200 Watt Power Supply

- Fits AT-size motherboards
- Three half-height 5.25" drive bays, two exposed
- One exposed half-height 3.5" drive bay
- Front panel keyboard port
- Front panel turbo and reset switches
- Keyboard lock with 2-keyset
- Indicator lights for power, turbo and hard drive
- Back panel with two DB9, and two DB25 openings
- Speaker & hardware included
- Eight rear panel expansion slots
- Size: 15.0"W x 16.5"D x 7"H
- Weight: 24 lbs.
- One-year warranty

Part No.	Product No.	Description	1-4	5-9
20503	JE2020	Desktop slide case w/ power supply	\$129.95	\$114.95

Jameco Mini-Vertical Case with 200 Watt Power Supply

- Fits all size baby motherboards
- Space saving free standing case
- Metal housing and chassis
- Anti-static coated plastic face plate
- Back panel with 8 expansion slots
- Indicator lights for power, turbo and hard disk operation
- Five drive bays, four exposed: (2) 3.5" drive bays, (2) 5.25" drive bays, (1) 3.5" hard drive bay
- Switches for turbo and reset
- Keyboard lock with 2-keyset
- Speaker and hardware included
- Color: beige
- Size: 7.0"W x 16.5"D x 13.0"H
- Weight: 19 lbs.
- One-year warranty

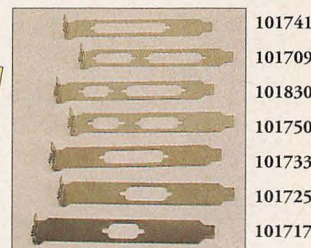


Part No.	Product No.	Description	1-4	5-9
20546	JE2032	Mini vertical case w/power supply	\$119.95	\$109.95

Jameco Computer Brackets

NEW

- Fits standard PC/XT/AT cases
- Length: 4.75"
- For securing cards into bus slots
- Can be used to expand card I/O



Part No.	Product No.	Description	1-9	10-99	100-999
11754	BRKT	Blank Back Panel Bracket.....	\$1.95	\$1.49	\$1.19
101717	DM9	For DB9 connector	1.95	1.49	1.19
101725	DM15	For DB15 connector	1.95	1.49	1.19
101733	DM25	For DB25 connector	1.95	1.49	1.19
101741	DM37	For DB37 connector	1.95	1.49	1.19
101750	DM915	For DB9 and DB15 connectors	1.95	1.49	1.19
101830	DM925	For DB9 and DB25 connectors	1.95	1.49	1.19
101709	DM1525	For DB15 and DB25 connectors	1.95	1.49	1.19



Jameco Power Pins and Connectors

Adapt a standard XT/AT power supply to your unique circuit needs!

Part No.	Description	1-99	100-999	1000+
78300	6-pin power plug connector.....	\$.35	\$.29	\$.19
78326	6-pin receptacle connector.....	.25	.19	.15
78318	Power pins for 78326.....	.07	.05	.03

Jameco Surge Protectors

Specifications: Electrical rating: 15 Amp, 120 VAC, 60Hz; UL 1449 Suppressed voltage rating: 400 volts; Protection devices: Metal oxide varistors; Clamping response time: <5 nsec; EMI/RFI noise rejection: up to 15dB; Color: Beige

Call for OEM Pricing

6 Outlet Wall Plug-in

- Indicator light shows surge protection is working
- Easily installs into wall outlet
- Size: 4.75"L x 3.25"W x 1.25"H
- Weight: 0.4 lbs.

NEW



Part No.	Product No.	Description	1-9	10-24
99291	EP6	Wall Plug-in.....	\$5.95	\$4.95

6 Outlet Wall Plug-in with Telephone Protection

- Protected telephone line jacks (RJ-11)
- Indicator light shows surge protection is working
- Easily installs into wall outlet
- 6 ft. phone cord included
- Size: 4.75"L x 3.25"W x 1.25"H • Weight: 2 lbs.

NEW

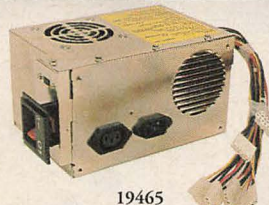


Part No.	Product No.	Description	1-9	10-24
99979	EP6M	Wall Plug-in with Telephone Protection	\$9.95	\$8.95

7 Outlet Power Strip with 4 ft. Cord

- Audible alarm sound if surge protection is not functioning
- Master power switch
- Push-to-reset 15 Amp circuit breaker
- High-impact thermoplastic case
- Size: 13.25"L x 2.125"W x 1.125"H • Weight: 2.2 lbs.

Part No.	Product No.	Description	1-9	10-24
98749	LR69225	Power Strip.....	\$9.95	\$8.95



Jameco PC/XT/AT Compatible Power Supplies

Compatible with 20511 and 20520 Cases

- 19465 Output: +5V @ 15A, -5V @ 0.5A, +12V @ 5.5A, -12V @ 0.5A
- 67467 Output: +5V @ 20A, -5V @ 0.5A, +12V @ 8A, -12V @ 0.5A
- Available in 150 and 200 Watts
- Input: 90-130VAC @ 47-63Hz (110/220V switchable)
- PC/XT/AT compatible connectors
- Built-in fan
- 67467 is XT/AT/286/386/486 compatible
- Size: 9.5"L x 5.5"W x 4.625"H
- Weight: 6 lbs.
- One-year warranty

Part No.	Product No.	Description	1-9	10-24
19465	JE1030	150 Watt	\$69.95	\$62.95
67467	JE1030A	200 Watt	\$89.95	\$79.95



Jameco AT Compatible 200 Watt Mini Power Supply

Compatible with JE2012, 20546 and 20503 Cases

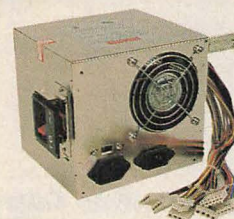
- Output: +5V @ 20A, -5V @ 0.3A, +12V @ 7A, -12V @ 0.3A
- 200 Watt
- Fits in popular mini-vertical and desktop cases
- Input: 100-130VAC @ 47-63Hz (110/220V switchable)
- AT compatible connectors
- Built-in fan
- Specs included
- Size: 5.5"L x 5.88"W x 3.38"H
- Weight: 4 lbs.
- One-year warranty

Part No.	Product No.	Description	1-9	10-24
19553	JE1037	200 Watt mini	\$89.95	\$79.95

Jameco Power Supply Extension Cord

- Connects to the power supply cord (Jameco part no. 38050 or 38076) to extend an additional 6 feet • Length: 6 feet • 125 VAC at 10A

Part No.	Product No.	Description	1-9	10-49
28468	PEC	Power supply extension cord.....	\$3.95	\$3.49



Jameco AT Compatible 200 Watt Power Supply

Compatible with JE2019 Case

- Output: +5V @ 20A, -5V @ 0.5A, +12V @ 8A, -12V @ 0.5A
- 200 Watt
- Input: 90-130VAC @ 47-63Hz (110/220V switchable)
- AT compatible connectors
- Built-in fan
- Specs included
- Size: 6.5"L x 5.88"W x 6"H
- Weight: 6 lbs.
- One-year warranty

Part No.	Product No.	Description	1-9	10-24
19545	JE1036	200 Watt	\$89.95	\$79.95



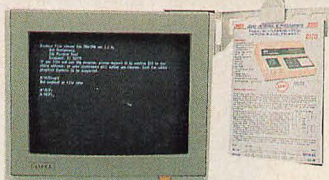
Jameco Vertical AT Compatible 300 Watt Power Supply

Compatible with JE2030, 65648 and 67424 Cases

- Output: +5V @ 30A, -5V @ 0.5A, +12V @ 12A, -12V @ 0.5A
- 300 Watt
- Fits in popular vertical cases
- Input: 95-135VAC @ 47-63Hz (110/220V switchable)
- AT compatible connectors
- Built-in fan
- Specs included
- Size: 8.33"L x 6"W x 5.94"H
- Weight: 6 lbs.
- One-year warranty

Part No.	Product No.	Description	1-4	5-9
65728	JE1039A	300 Watt	\$139.95	\$124.95





JAMECO™ Monitor Copy Clip

- Velcro secures holder to monitor
- Swings out of the way when not in use
- Fits any monitor • Color: beige

Part No.	Product No.	Description	1-9	10-24
20319	JE1212	Monitor copy clip	\$4.95	\$4.49

JAMECO™ Computer Stand

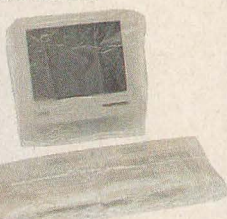
- Stands computer vertically to conserve space
- Adjustable
- Color: beige
- External Size: 12"L x 8"W x 3.6"H
- Weight: 1.75 lbs.



Part No.	Product No.	Description	1-9	10-24
20191	JE1197	Computer stand..	\$9.95	\$7.95

JAMECO™ Computer Dust Covers

These durable covers protect your computer from the harmful effects of dust and liquid. They feature special anti-static material and offer a simple affordable way to protect your system.



Part No.	Description	1-9	10-24
72928	Tower cover (3 piece set)	\$7.95	\$6.49
72709	14" - 15" Monitor cover	4.95	3.95
72910	Mac II cover (2 piece set)	3.95	3.49
72397	101-Key keyboard cover	2.95	2.49

JAMECO™ Power Base

- Master power switch and 5 auxiliary switches for each outlet
- Maximum spike 80 Joules, 6500 amps
- Color: beige
- Size: 12"L x 12.75"W x 2.25"H
- Weight: 5.5 lbs.



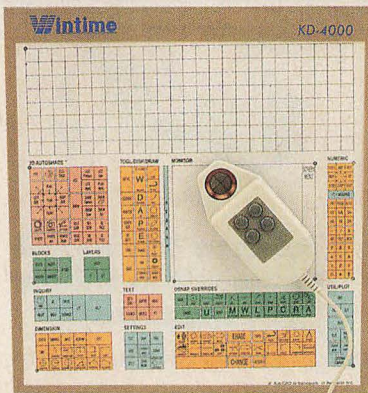
Part No.	Product No.	Description	1-9	10-24
20159	JE1190	Power base	\$24.95	\$22.49

JAMECO™ Six-Outlet Power Strip

- Built-in safety circuit breaker (15 amps)
- Three-prong, 6' power cord
- Maximum spike: 50 joules, 4500 amps
- UL listed • Color: beige • Weight: 2.1 lbs.
- Size: 12.25"L x 2.38"W x 1.25"H



Part No.	Product No.	Description	1-9	10-24
20175	JE1191	Power strip	\$9.95	\$8.49



66261

JAMECO™ Digitizer Tablet

KD4000 digitizer tablet is perfect for CAD/CAM programs, desktop publishing, computer graphics, and much more. The KD4000 offers you a high level of accuracy with high resolution graphics at a very affordable price!

- PC/XT/AT/386/PS2 and compatible computers
- Resolution up to 1016 lines per inch with accuracy of ± 0.01 inch
- Emulations: Summagraphics MM, Summasketch, Microsoft Mouse and Mouse Systems Mouse
- Active drawing area is 11.7" x 11.7" with proximity of 0.5"
- DB25 female (RS232) interface connection
- Includes AutoCAD™ 10, 11, 12 template, 9 to 25 pin adapter, puck, serial interface cable, power transformer and manual
- Tablet size: 16.2"L x 16.2"W x .9"H (slope)
- Weight: 5 lbs.
- One-year warranty

Part No.	Product No.	Description	1-9	10-24
66261	KD4000	Digitizer tablet	\$199.95	179.95
93147	KC404	Replacement puck	29.95	24.95
93155	KS303	Replacement stylus	29.95	24.95
93163	35-11012	Replacement power supply	34.95	29.95



DFI™ Color Handy Scanner

- PC/XT/AT/386/PS2 (Models 25 & 30) and compatible computers
- 4.13" scanning width • 64 shades of gray
- Output modes can be in dithered mono chrome, dithered color (16 colors) and color gray scale 16 shades per color (RGB), 256 colors
- 100 to 400 selectable dpi resolution
- Weight: 4 lbs.

Part No.	Product No.	Description	1-9	10-24
13881	CHS4000	Handy scanner	\$299.95	\$269.95



MouseMan

- PC/XT/AT/386/486/PS1/PS2 and compatible computers
- 400 DPI resolution
- Compatible with all application software
- Includes mouse driver software and MouseWare utility software
- Its sculpted, ergonomic shape comfortably fits your right hand
- Bus version frees your serial port
- Manufacturer's limited lifetime warranty
- Weight: 2 lbs.



Part No.	Product No.	Description	1-9	10-24
25970	MMSR	Serial mouse (PC/XT/AT) 386/486/PS1/PS2.....	\$74.95	\$69.95
25961	MMBR	Mouse with bus board (PC/ XT/AT/386/486/ PS1 & PS2 - models 25 and 30).....	79.95	74.95



Dexxa Mouse

- Serial mouse
- PC/XT/AT/386/486/PS2 and compatible computers
- 200 DPI resolution
- Manufacturer's two-year warranty
- Weight: 1 lb.



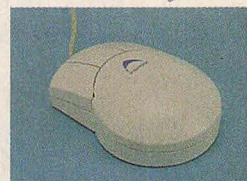
(Connector for PS2 not included.)

Part No.	Description	1-9	10-24
73621	Dexxa mouse	\$29.95	\$24.95

JAMECO™ Mouse

NEW

- Serial mouse
- PC/XT/AT/386/486/PS2 and compatible computers
- Microsoft® Mouse compatible
- One-year warranty
- Weight: 1 lb.

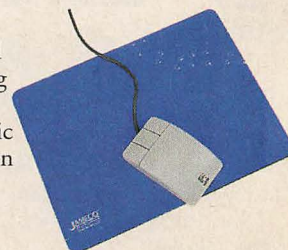


Part No.	Description	1-9	10-24
104441	Serial Mouse	\$13.95	\$12.49

JAMECO™ Mouse Pad

Let your mouse run wild!

- Playful mouse print design
- Tough non-skid neoprene backing with smooth-gliding anti-static plastic coating on top surface
- Size: 11" x 8.5"
- Weight: 0.5 lbs.



Part No.	Product No.	Description	1-9	10-24
26307	MP	Mouse Pad	\$4.95	\$4.49



Fujitsu 101-Key Enhanced Keyboard

- PC/XT/AT/386/486 and compatible computers
- Automatically switches between XT or AT
- LED Indicators for Num Lock, Caps Lock, and Scroll Lock
- 101-key enhanced layout • 12 function keys
- Separate cursor and numeric keys • One-year warranty
- Tactile feedback • Manual included • Color: beige
- Size: 19"L x 8"W x 1.33"H • Weight: 5.2 lbs.

Part No.	Product No.	Description	1-9	10-24
17128	FKB4700	101-key enhanced keyboard	\$74.95	\$69.95



Fujitsu 101-Key Enhanced Keyboard with Membrane Switch

- PC/XT/AT/386/486 compatible
- LED indicators for Num Lock, Caps Lock and Scroll Lock
- 12 function keys with separate cursor and numeric keys
- Membrane switch • Size: 18.38"L x 6.89"W x 1.03"H
- Weight: 2.7 lbs. • One-year warranty

Part No.	Product No.	Description	1-9	10-24
76697	FKB4870	101-key keyboard/membrane switch.....	\$49.95	\$44.95



Focus 130-Key Enhanced Keyboard with Calculator

- PC/XT/AT/386 compatible • 130 keys
- Automatically switches between XT or AT/386/486
- Two sets of 12 function keys • Built-in calculator
- Command reference templates for 5 popular programs
- Size: 20.6"L x 7.0"W x 2.0"H • Weight: 4.8 lbs. • One-year warranty

Part No.	Product No.	Description	1-9	10-24
17136	FK9001	130-key enhanced keyboard.....	\$99.95	\$89.95

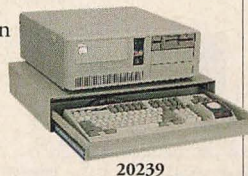
JAMECO Keyboard Drawers

- 20239:
- Elevates CPU and CRT 4.0" to alleviate neck tension
 - External size: 22.0"L x 15.5"W x 4.0"H
 - Weight: 17 lbs.

72881:

- Slides under the desktop for storage
- External size: 21.5"L x 12.5"W x 1.5"H
- Includes convenient tray for storing pens and other office supplies • Weight: 4.6 lbs.

Part No.	Product No.	Description	1-9	10-24
20239	JE1203	Keyboard drawer	\$29.95	\$26.95
72881	JE202	Keyboard drawer	19.95	17.95



JAMECO 84-Key Keyboard

Original AT Style Layout

- PC/XT/AT/386 compatible
- Large Shift and Return Keys
- Automatically switches between XT or AT/386/486
- LED Indicators for Num Lock, Caps Lock, and Scroll Lock
- Size: 19.5"L x 7.5"W x 1.33"H • Weight: 3.6 lbs. • 90-day warranty

Part No.	Product No.	Description	1-9	10-24
20431	JE2015	84-key keyboard	\$39.95	\$34.95



JAMECO 101-Key Enhanced Keyboard

- PC/XT/AT/386/486 compatible
- LED indicators for Num Lock, Caps Lock and Scroll Lock
- 12 function keys with separate cursor and numeric keys
- Size: 19"L x 8"W x 1.33"H
- Weight: 5 lbs. • 90-day warranty

Part No.	Product No.	Description	1-9	10-24
67432	K101	PC/XT/AT/386/486 compatible	\$39.95	\$34.95
78297	K101AT	AT/386/486 compatible	39.95	34.95

JAMECO 32-Key Keypad

Great for use with laptop computers as well as original PC/XT/AT layout keyboards

- PC/XT/AT and compatible computers
- 32-key layout
- 12 function keys
- Separate cursor and numeric keys
- Editing keys include: Escape, Enter, Insert, Delete, Home, End, Page Up, Page Down, Tab, Backspace, Print Screen and Shift
- Tactile feedback
- Serial port required for operation (9 pin)
- Unit comes complete with software on 3.5" disk and user manual
- Size: 6.25"W x 7.625"D x 1.5"H • Weight: 1.5 lbs.
- One-year warranty • Color: beige

Part No.	Product No.	Description	1-9	10-24
78271	JE2018	32-key keypad	\$59.95	\$54.95

INCREASE DATA-ENTRY PRODUCTIVITY!



Keyboard Wristrest

The perfect accessory to reduce typing tension.

- Size: 20"L x 3.75"W x .75"H
- Weight: 3 lbs.

Part No.	Product No.	Description	1-9	10-24
76718	590039	Keyboard wristrest.....	\$14.95	\$13.49



JAMECO® Pocket Auto Printer Switch

Connects one or two computers to a printer. Operates on a first-come-first served basis.

Automatic operation means that you don't have to turn switches to get a printout.

- Connectors: Two inputs and one output
- Interface: Parallel DB25 Female
- Two LEDs indicate link status • Weight: 1 lb.
- Color: beige • Size: 4.017"L x 3.159"W x 1.014"H
- One-year warranty

Part No.	Product No.	Description	1-9	10-99
94641	MP201N	Auto printer switch	\$17.95	\$15.95



20204

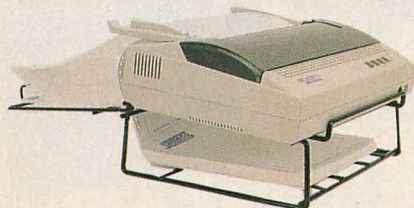


73074

JAMECO® Universal Printer Stands

- Save valuable workspace by stacking your computer paper below your printer
- Fits all desktop printers
- Front to back mounting area: 13"
- The 73074 features an adjustable width paper tray • Color: beige
- Weight: (20204) 1.2 lbs.; (73074) 1 lb.

Part No.	Product No.	Description	1-9	10-99
20204	JE1198	Printer stand.....	\$6.95	\$5.95
73074	JE006	Printer stand w/paper tray	9.95	8.95

**JAMECO® Compact Printer Stand**

- Printout stacks in document tray automatically
- Document tray folds up in tight working areas
- Durable, safety coated steel construction
- 80 column model (13" W)
- Color: beige
- Weight: 6 lbs.

Part No.	Product No.	Description	1-9	10-99
20263	JE1205	Printer stand	\$11.95	\$10.49

JAMECO® Switch Boxes

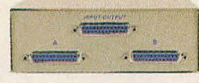
Jameco's data switches provide a convenient way to switch from a dot matrix printer to a letter quality printer, from printer to modem, share a printer between computers, or many other applications including video, VCR, FAX/modem, networking and keyboard/monitor switching

- All pins switched (excluding Centronics)
- Anti-skid feet
- Color: beige • Weight: 2 lbs.
- Full shielding meets FCC requirements

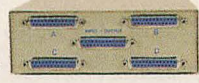
- Gold-plated all-female connector pins
- Long-life operation
- Metal construction
- One-year warranty

Reduced Pricing!

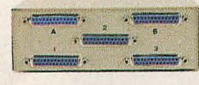
Part No.	Size (L x W x H)	1-9	10-24
20095	6" x 5.75" x 2.25"	\$9.95	\$8.95



Part No.	Size (L x W x H)	1-9	10-24
20124	7.63" x 6.5" x 2.63"	\$19.95	\$17.95



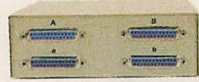
Part No.	Size (L x W x H)	1-9	10-24
73365	7.5" x 6" x 2.375"	\$17.95	\$15.95



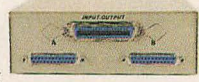
Part No.	Size (L x W x H)	1-9	10-24
73314	7.5" x 6" x 2.375"	\$15.95	\$14.49



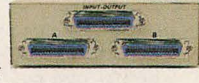
Part No.	Size (L x W x H)	1-9	10-24
73357	6" x 5.25" x 2"	\$14.95	\$13.49



Part No.	Size (L x W x H)	1-9	10-24
73322	6" x 5.25" x 2"	\$9.95	\$8.95



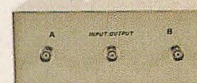
Part No.	Size (L x W x H)	1-9	10-24
20132	6" x 5.75" x 2.25"	\$12.95	\$11.49



Part No.	Size (L x W x H)	1-9	10-24
20141	6" x 5.75" x 2.25"	\$16.95	\$14.95



Part No.	Size (L x W x H)	1-9	10-24
79118	6" x 4.75" x 2.5"	\$12.95	\$11.49



Part No.	Size (L x W x H)	1-9	10-24
79126	6" x 4.75" x 2.5"	\$9.95	\$8.95



Part No.	Size (L x W x H)	1-9	10-24
79134	5.5" x 5" x 2"	\$13.95	\$12.49



Part No.	Size (L x W x H)	1-9	10-24
79142	6" x 4.75" x 2.5"	\$13.95	\$12.49



Part No.	Size (L x W x H)	1-9	10-24
79100	6" x 5.25" x 2"	\$14.95	\$13.49



Part No.	Size (L x W x H)	1-9	10-24
79151	6" x 5.25" x 2"	\$19.95	\$17.95



Part No.	Size (L x W x H)	1-9	10-24
79169	6" x 5.25" x 2"	\$17.95	\$15.95

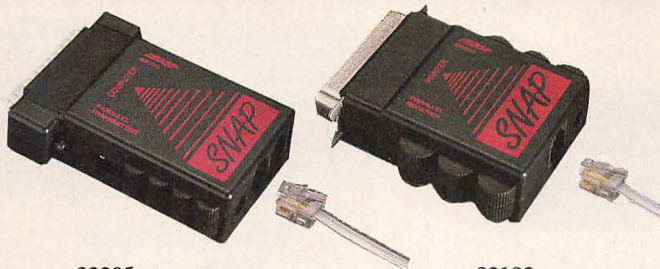


Part No.	Size (L x W x H)	1-9	10-24
79177	6" x 4.5" x 2.5"	\$14.95	\$13.49

**Recommended Cables for DB25 and Centronics applications**

Part No.	Product No.	Description	1-9	10-24
39538	25M10M	Male to Male 25-pin 10 foot serial extension cable	\$8.95	\$8.19
39511	25M10F	Male to Female 25-pin 10 foot serial extension cable	8.95	8.19
40791	36M10M	Male to Male 36-pin 10 foot printer extension cable	12.95	11.49
40782	36M10F	Male to Female 36-pin 10 foot printer extension cable	12.95	11.49

See pages 101-104 for additional adapters and cables



32205

32192

ASP Instant Printing Network with up to 16 Computers is a Snap with SNAP!

- Low cost alternative to LAN
- Expandable, supports up to 20 computers
- Easy and economical cabling scheme
- Easy to install; no training required
- High speed data transmission

LOW COST LAN ALTERNATIVE!

With SNAP from ASP, you'll never have to worry about outgrowing your printer sharing network. As you add computers to your office, you simply "snap" them in anywhere along your existing SimPLAN SNAP network. Just plug a transmitter into the parallel port of each computer, a receiver into the printer and connect with up to 1400 feet of easy to route, modular telephone-type cable. SNAP requires no software, no training and no power! What could be easier?

Specifications:

- Transmitter connectors: DB25 male, RJ11 female
- Receiver connectors: RJ11 female, Centronics male
- Topology: Bus and star (mixed)
- Timeout: 5, 20, 60 or 140 seconds
- Operating Mode: first come, first served
- Dimensions: Transmitter: 3"L x 2.5"W x 1"H
- Receiver: 3.25"L x 2.5"W x 1"H
- Weight: 1 lb. (packaged)

Part No.	Product No.	Description	1-9	10-24
32205	SPTX	Transmitter, parallel, 25 pin male.....	\$59.95	\$53.95
32192	SPRX	Receiver, parallel, 36 pin male.....	69.95	62.95
32598	S3W	3 way coupler for converting single line connection to two single outlets	6.95	6.25
32555	S2SS	25 ft. straight through modular cable	10.95	9.95
32740	S5OS	50 ft. straight through modular cable	19.95	17.95

JAMECO 4-to-2 Parallel and Serial Auto Switches

Both units include these features:

- Two output ports
- Auto and manual modes selectable
- Transparent to user
- AC adapter and manual included
- One-year warranty
- Size: 10.75"L x 5.75"W x 1.25"H
- Weight: 6.25 lbs.

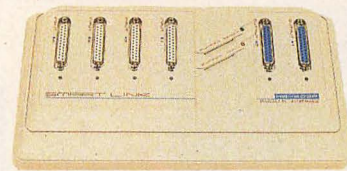
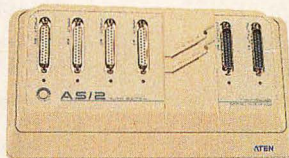
76902 includes:

- Interface: 4 DB-25 Female parallel input ports
- 2 DB-25 Female parallel output ports

76911 includes:

- Port 1: Highest priority
- Interface: 4 DB-25 Female serial input ports (DCE)
- 2 DB-25 Male serial output ports (DTE)

Part No.	Description	1-4	5-9
76902	Parallel	\$99.95	\$89.95
76911	Serial	89.95	79.95



JAMECO 4-in-2-out Serial and Parallel Buffers

Both units include these features:

- 256K bytes memory expandable to 3.256MB with buffer card (see below 78975 uses part number 42251- 1meg 80ns RAM module)
- Dynamic buffer allocation
- Auto form feed/pause at file end (enable/disable)
- Configuration saved to EEPROM
- AC adapter and manual included
- One-year warranty
- Size: 10.5"L x 5.75"W x 1.25"H
- Weight: 8.5 lbs.

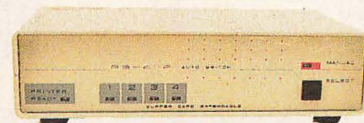
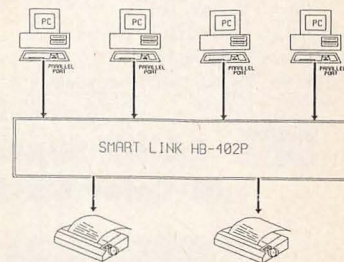
76929 includes:

- Interface: 4 DB-25 Female input ports (DCE)
- 2 DB-25 Male output ports (DCE)

76937 includes:

- 2 stage daisy-chain expandability
- Interface: 4 DB-25 Female input ports
- 2 DB-25 Female output ports

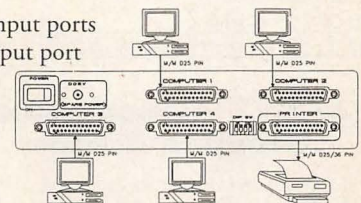
Part No.	Description	1-4	5-9
76929	4-in-2 out Serial Buffer	\$199.95	\$179.95
76937	4-in-2 out Parallel Buffer.....	199.95	179.95
78975	Buffer card (RAM not included).....	19.95	17.95



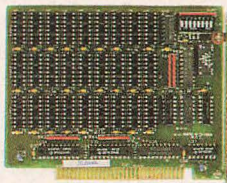
JAMECO 4-to-1 Parallel and Serial Auto Switches

Both units include these features:

- Expandable to 1MB w/RAM modules (see below)
- Automatic and manual modes selectable
- Transparent to user
- Interface: 4 DB-25 Female input ports
- 1 DB-25 Male output port
- Non-power (passive)
- AC adapter is optional, not included
- Manual included
- One-year warranty
- Size: 8.75"L x 6.25"W x 2.25"H
- Weight: 1.5 lbs.



Part No.	Description	1-9	10-24
76945	Parallel Switch Box	\$69.95	\$62.95
76953	Serial Switch Box	59.95	53.95
85551	256KB RAM module for 76945	49.95	44.95
85569	1MB RAM module for 76945	119.95	109.95

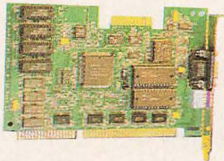


JAMECO™ Expansion Memory Half Card

- PC/XT and compatible computers
- 4.77MHz operation
- Highest starting address is 256KB
- Accepts either 64KB memory chips (4164-150) and/or 256KB chips (41256-150) in multiples of (9)
- Expands systems to the maximum 640KB (zero-KB on-board)
- Eight possible memory configurations ranging from 64KB to 576KB
- Manual included • Weight: 1 lb.
- One-year warranty

Part No.	Product No.	Description	1-9	10-24
19975	JE1080	Memory card	\$49.95	\$44.95

DFI® 16-bit Super VGA Hi-Color Card



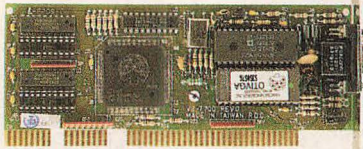
- PC/XT/AT/386 and compatible computers
- Accelerates the performance of Windows and windowing programs up to 15 times that of standard VGA
- 640 x 480 and 800 x 600 high resolution graphics mode with 32K colors
- Includes 1MB video RAM
- 1024 x 768, 800 x 600 and 640 x 480 with 16 and 256 colors
- Emulates EGA, CGA, MDA, and Hercules Graphics modes
- Interlaced and non-interlaced modes supported
- Output: DB15 high density
- Includes software drivers for Windows 3.0/3.1, AutoCAD, WordPerfect, Wordstar and all other popular software applications
- Includes manual and software
- Weight: 1 lb.
- One-year warranty

Part No.	Description	1-4	5-9
93542	VGA Hi-color card.....	\$139.95	\$124.95

JAMECO™ Monochrome Graphics Adapter

- PC/XT/AT and compatible computers
- Monochrome (MDA); also supports Hercules graphics standards (HGA)
- Compatible with IBM color graphics standard (CGA)
- Text mode: 80 x 25 • Graphics mode: 720 x 348
- Parallel printer port • Manual included
- Weight: 0.5 lbs. • One-year warranty

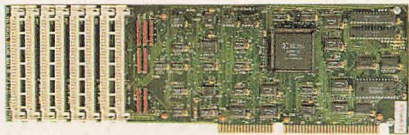
Part No.	Product No.	Description	1-9	10-24
91230	JE1050A	Graphics adapter	\$39.95	\$34.95



JAMECO™ 16-bit VGA Card

- PC/XT/AT/386 and compatible computers
- Supports PS/2 and Multisync analog monitors
- Emulates VGA, EGA, CGA, MDA and Hercules modes
- Comes with 256KB video RAM expandable to 512KB by adding (2) 514256P-80 chips
- Capable of 640 x 480 with 256 colors, 800 x 600 with 16 colors, 1024 x 768 with 16 colors (512KB RAM required)
- 8 or 16 bit bus (autosense)
- Output: DB15 high density
- Extended text display: 80 column text modes in 60 lines, 132 text modes in 25, 43, 60 lines
- Supports 34 video modes including 24 standard and 10 enhanced modes
- Manual included
- Weight: 1.5 lbs.
- One-year warranty

Part No.	Product No.	Description	1-9	10-24
67459	VG7700A	VGA Card	\$59.95	\$53.95

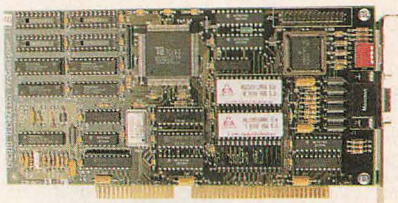


RAMQUEST 32MB Memory Card

The RAMQUEST 8/16 card can add up to 32MB of RAM to your XT, AT or 80386 system.

- Easy installation
- Maximum memory: 32MB on any XT/AT/386
- 8 or 16-bit bus compatible
- EMS 4.0 compatible (100% hardware)
- Compatible with PC/XT/AT/386, PS/2 Models 25 and 30 and compatibles
- Uses 256KB, 1MB or 4MB SIMMs
- XT systems use 1 SIMM per bank, AT and 80386 systems use 2 SIMMs per bank. The different banks can use any type of SIMMs (i.e. 256KB, 1MB and 4MB can be used together on this board)
- Uses 100ns or faster RAM
- Software included
- Weight: 2 lbs.
- Four-year manufacturer's warranty

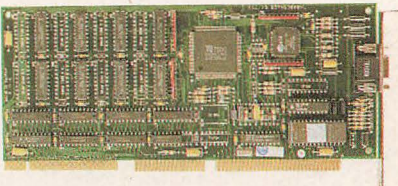
Part No.	Product No.	Description	1-4	5-9
29313	RAMQUEST	Memory Card....	\$144.95	\$129.95



16-bit Super VGA Card

- PC/XT/AT/286/386, PS/2 Models 25 and 30, and compatible computers
- 1024 x 768 resolution in interlaced and non interlaced modes
- Supports 256 colors in 1024 x 768 resolution (1MB video RAM required)
- Output DB-15 (analog)
- Includes 512KB video RAM, expandable to 1 MB by adding four 514256P-80 chips
- Supports VESA standard graphics and text modes
- Emulates VGA, EGA, CGA, MDA and Hercules modes
- Includes software & manual
- Weight: 1.3 lbs.
- One-year warranty

Part No.	Description	1-4	5-9
104660	Super VGA Card	\$89.95	\$79.95

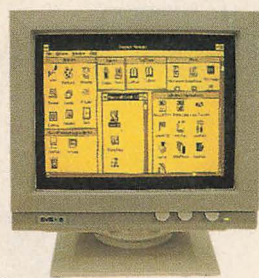


DFI® VESA Local Bus Graphics Accelerator Board

For use with AT/compatible computers with VESA local or ISA bus. Increases the speed of graphics/windowing programs, such as Microsoft Windows by up to 15 times that of standard VGA. Opening, closing, scrolling and resizing of windows are instantaneous.

- Provides 24-bit true color at 640 x 480 pixels, 16M colors
- On board memory: 1 MB using 256K x 4 DRAM chips. Expandable to 2MB
- Graphics Resolution (with 1MB memory): 640 x 480 (16M colors); 800 x 600 (32K/64K colors); 1024 x 768 (256 colors); 1280 x 1024 (16 colors). With 2MB of memory, you can obtain resolutions up to 1280 x 1024 (256 colors)
- Non-Interlaced/Interlaced modes supported
- Includes Page Comp 3.1 image editing software
- One 15 pin female analog connector
- Weight: 1 lb.
- One year warranty

Part No.	Description	1-4	5-9
101688	Graphics Accelerator Board....	\$199.95	\$179.95



EYE-Q

14" Flat Screen Amber Monochrome Monitor

- PC/XT/AT and compatible computers
- Input: DB9 (TTL)
- Bandwidth: 20MHz
- Horizontal scanning frequency: 18.432kHz \pm 100Hz
- Vertical scanning frequency: 50Hz
- Maximum resolution: 720 x 348
- Tilt-swivel base
- Manual and cable
- Power: 120VAC
- Size: 12.8"W x 12.9"D x 12.4"H
- Weight: 20 lbs.
- One-year warranty

Part No.	Description	1-4	5-9
87978	14" Amber monochrome..	\$129.95	\$116.95

Jameco Adjustable CRT Stand

- Lifts monitor/terminal 6" to 10" above desktop
- Base clamp rotates 360°
- Platform swivel 180°, with 25° tilt
- Color: beige
- Weight: 18 lbs.



Part No.	Product No.	Description	1-9	10-24
20280	JE1207	CRT stand	\$59.95	\$53.95



Jameco Anti-Glare Screen Filters

- Light emitted from the CRT travels straight through for glare-free viewing
- Units attach with velcro and/or double-sided tape (provided)
- Color: double-sided black/gray frame

Part No.	Product No.	Description	1-9	10-49
18500	GG12	12" Anti-Glare	\$4.95	\$3.95
18518	GG14	14" Anti-Glare	9.95	8.95



VALUE!

IBM 12" VGA Monochrome Paper White Monitor

- PC/XT/AT & compatibles
- Supports video modes up to 640 x 480 with 16 shades of gray
- 15 pin analog connector
- Power: 120VAC
- Size: 12"W x 14.5"D x 11"H
- Weight: 22 lbs.
- 90-day warranty

Part No.	Product No.	Description	1-4	5-9
67491	MVGA	12" Paper White	\$99.95	\$89.95



EYE-Q

14" Super VGA Color Monitor

- PC/XT/AT, PS/2 and compatible computers
- Non-glare, semi-tinted display
- 0.39mm dot pitch
- Maximum resolution: 1024 x 768
- Input: DB15-pin (Analog)
- Scan frequency: Horizontal: 30-38KHz
Vertical: 47-104Hz
- Manual and cable • Tilt/swivel base
- Power: 120-240VAC, 50-60Hz, 1.2A max.
- Size: 14.3" W x 15" D x 14.2" H
- Weight: 25 lbs. • One-year warranty

Part No.	Description	1-4	5-9
78676	14" Super VGA	\$279.95	\$259.95

Socos 14" Low Radiation Super VGA Color Monitor

- .28mm dot pitch
- Vertical scanning frequency: 50 - 90Hz
- Maximum resolution: 1024 x 768 (Interlaced)
- Bandwidth 45MHz minimum
- Size 14"W x 15"D x 17"H
- Weight: 27 lbs. • One-year warranty

Part No.	Product No.	Description	1-4	5-9
66122	CM1402A	Super VGA Color	\$399.95	\$379.95



CREATIVE LABS, INC. SoundBlaster Pro

- Original SoundBlaster and AdLib compatible
- 8-bit stereo sampling
- 22KHz sampling rates in stereo, 44KHz in mono
- 22 stereo FM voices
- Built-in CD-ROM interface (150KB/second MPC compatible)
- Full MIDI capability with optional MIDI kit
- Microphone, line audio, CD-ROM sampling inputs
- Software or hardware controlled volume
- 4 watt per channel built in amplifier
- Joystick port
- Full documentation and software included
- One-year warranty

Part No.	Description	1-4	5-9
69585	SoundBlaster Pro	\$139.95	\$129.95

JAMECO Sound Magic Sound Card

Add sound to your PC without paying a bundle. Low-cost sound card is fully compatible with Adlib. Great for games, presentation and educational applications. Game I/O adapter allows two joysticks to be attached to your PC. Connects to speaker or earphones. System requirements: PC/XT/AT compatible



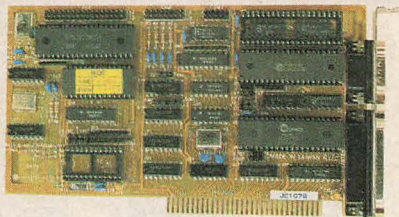
- One-year warranty

Part No.	Description	1-9	10-24
97210	Sound card	\$49.95	\$44.95

CD-ROM Disks, Caddy and Case



Part No.	Description	1-9	10-24
67694	4-disk Educational pack; includes mammals encyclopedia, magazine rack, time table of history, Time magazine almanac	\$159.95	\$149.95
76591	CD Disk Caddy	10.95	9.95
96701	CD Case (CD's not included)	7.95	6.95

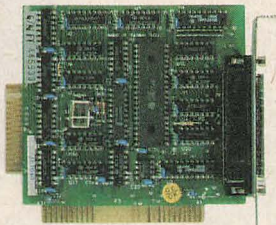


19908

Jameco Multi I/O with Floppy Controller

- PC/XT and compatible computers (19895)
- AT/386 and compatible computers (19908)
- One RS232C serial communication port: COM1 (Primary)
- Optional second RS232C serial communication port: COM2 (requires additional UART, 8250B[XT], 16450N or 16550AN[AT])
- Floppy disk drive controller capable of handling up to two 360KB, 720KB, 1.2MB or 1.44MB drives
- Real-time clock/calendar (19895)
- Game port
- Parallel printer port
- Print spooling software (19895)
- Manual and cables included
- Cannot be used in conjunction with another floppy card
- Weight: 1.75 lbs.
- One-year warranty

Part No.	Product No.	Description	1-9	10-24
19895	JE1075	PC/XT	\$69.95	\$62.95
19908	JE1076	AT/386	59.95	53.95



19596

Jameco Floppy Disk Drive Controller Card

- PC/XT and compatible computers
- Runs up to four 360KB or 720KB (requires DOS 3.3 or higher and DRIVER SYS) disk drives. Refer to your DOS manual
- Includes cable for two internal drives
- 15499 connector allows for an additional two external drives (external cable not included, see part no. 16678 - page 102)
- Complete with manual
- Cannot be used in conjunction with another floppy card
- Weight: 1 lb.
- One-year warranty

Part No.	Product No.	Description	1-9	10-24
19596	JE1040	Floppy controller	\$24.95	\$19.95



19617

Jameco 360KB/720KB/1.2MB/1.44MB Floppy Disk Drive Controller Cards

- PC/XT/AT/386 and compatible computers
- 19617 allows connection of one or two 360KB, 720KB, 1.2MB or 1.44MB floppy disk drives (AT/386)
- 19668 allows connection of up to four 360KB, 720KB, 1.2MB or 1.44MB floppy disk drives (PC/XT/AT/386)
- 19668 only: To add two external drives use cable Part No. 16678; to add two additional internal drives use cable Part No. 32918 (see page 102)
- Both units include cable for two internal disk drives and manual
- Cannot be used in conjunction with another floppy card
- Weight: 1 lb. • One-year warranty

Part No.	Product No.	Description	1-9	10-24
19617	JE1043	Two-drive controller	\$34.95	\$31.49
19668	JE1049	Four-drive controller	44.95	39.95

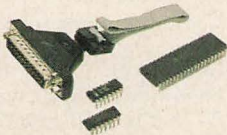
TecNotes Binder and Clipboard

You don't have to be a technofreak to see the beauty in our *TecNotes* binders and clipboards. Made from overruns of new computer circuit boards destined for the land-fill, they are very sturdy, interesting and colorful. The binder has three rings, and takes standard 11" x 8" paper inserts. The clipboard is 13" x 9" in size and will dazzle any boardroom. Not only will you get a durable and attractive place to keep your work, you'll help recycle a non-biodegradable product in a very creative way. Made in USA. Contains no solder or lead; color varies.

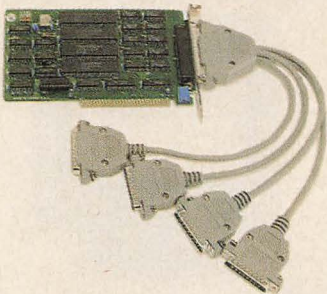


Part No.	Product No.	Description	Price
93702	TN5000	3-Ring Binder	\$15.95
93711	TN2000	Clipboard	16.95

Jameco Second Serial Port Kits



Part No.	Description	1-9	10-24
85526	AT Compatible Serial Kit ...	\$19.95	\$17.95
85489	XT Compatible Serial Kit	19.95	17.95

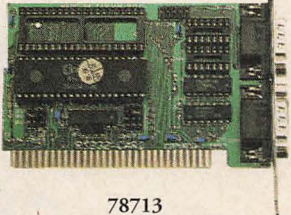


Jameco Input/Output Card

- PC/XT/AT and compatible computers
- 16-bit card
- Can be used in an 8-bit system with IRQ 3, 4, 5, 7
- Four serial ports - addressable to 3F8, 2F8, 3E8, 2E8
- Three parallel ports - addressable to 3BC, 378, 278
- All ports configurable to IRQ 3, 4, 5, 7, 9, 10, 11, 12, and 15
- All ports are jumper selectable and can be disabled if needed
- Cables and panel brackets included for all ports
- Three DB25 female parallel connectors
- Three DB9 male and one DB25 male serial connectors
- Manual included • Weight: 1.5 lbs.
- One-year warranty

Part No.	Description	1-9	10-24
104109	Input/Output card	\$69.95	\$62.95

See below for second serial port kits.



78713

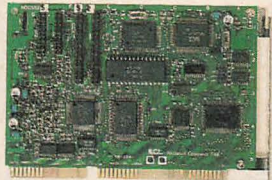
Jameco RS232 Serial Card

- PC/XT/AT/386 and compatible computers
- Ideal for connecting to a modem or serial printer
- Fits short or full-size slots
- Primary: One RS232C serial communication port: COM1, COM2 or COM3
- Secondary: Optional RS232C serial communication port: COM1, COM2 or COM4 (see 85526, left, for 2nd Serial Port Kit)
- Manual included
- Weight: .75 lbs.
- One-year warranty

Part No.	Product No.	Description	1-9	10-24
78713	JE1062	Utilizes 16450 UART ...	\$29.95	\$26.95

JAMECO™ MFM Hard Disk Drive Controller

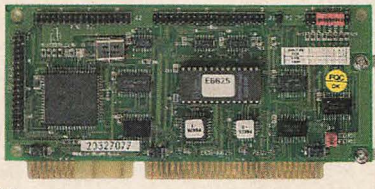
- AT compatible
- Supports 2 floppy and 2 hard disk drives
- Includes manual and cables
- Weight: 3 lbs.
- One-year warranty



Part No.	Product No.	Description	1-9	10-24
75820	NCL525	MFM 16-bit hard/floppy drive controller.....	\$69.95	\$62.95

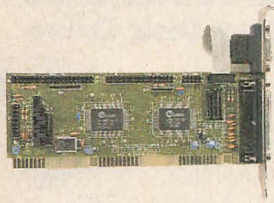
JAMECO™ Quad Floppy Controller/IDE HDD Interface

- PC/AT or compatibles
- Supports two IDE hard disk drives
- Can connect 4 floppy disk drives: - 5.25" floppy disk drive with 360KB and 1.2MB capacity; - 3.5" floppy disk drives with 720KB, 1.44MB, and 2.88MB capacity • Selectable ROM BIOS addresses
- Weight: 0.7 lbs. • One-year warranty



Part No.	Description	1-9	10-24
73630	16-bit hard/floppy controller	\$79.95	\$71.95

JAMECO™ IDE Super I/O Plus Card



- Can handle up to (2) IDE drives
- Floppy disk drive controller (2)
- Parallel printer port
- RS-232 serial port (2)
- Game port
- Includes manual and cables
- Weight: 1 lb.
- One-year warranty

Part No.	Product No.	Description	1-9	10-24
67061	JE1066A	16-bit hard/floppy controller	\$59.95	\$53.95

JAMECO™ ESDI Hard/Floppy Disk Drive Controller

- Will control hard drives up to 1GB (Gigabyte) and any combination of two floppy 360KB, 720KB, 1.2MB or 1.44MB disk drives
- Cables included to connect one hard disk and two floppy disk drives • 90-day warranty



Part No.	Product No.	Description	1-9	10-24
20562	JE2042	16-bit ESDI hard/floppy controller	\$79.95	\$71.95

SILICON VALLEY IDE Disk Drive Adapter Cards

Standard Features:

- Interfaces two IDE hard drives to system
- Includes cable(s) and operating manual

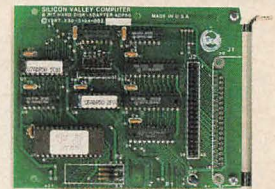
10233 (ADP20) Features:

- 16-bit IDE hard disk interface
- 10250 (ADP20F) Features:
- 16-bit IDE hard disk and floppy disk interface
- Works with any combination 360KB, 720KB, 1.2MB and 1.44MB
- Operates up to 2 floppy disk and 2 hard disk drives

10268 (ADP50) Features:

- 8-bit IDE hard disk interface
- 10276 (ADP60) Features:
- 16-bit IDE hard disk interface

- Can operate as a secondary hard disk controller
- On board BIOS to self configure drive
- BIOS address relocatable



10268

10284 (ADP60F) Features:

- 16-bit IDE hard disk and floppy disk interface
- Supports 2 floppy and 2 hard disk drives
- Can operate as a secondary hard disk controller
- Floppy controller can be disabled
- BIOS address relocatable
- 74114 (ADP65F) Features:
- Supports up to four (4) floppy drives; either 3.5" and 5.25"
- Supported floppy capabilities are: 2.88MB, 1.44MB, 1.2MB, 720KB and 360KB
- Supports four (4) IDE fixed disk drives.

Part No.	Product No.	Description	1-9	10-24
10233	ADP20	16-bit hard drive adapter	\$22.95	\$19.95
10250	ADP20F	16-bit hard/floppy drive adapter.....	29.95	26.95
10268	ADP50	8-bit hard drive adapter	59.95	53.95
10276	ADP60	16-bit hard drive adapter with BIOS.....	69.95	62.95
10284	ADP60F	16-bit hard/floppy drive adapter with BIOS	74.95	67.49
74114	ADP65F	16-bit hard/floppy drive adapter.....	99.95	89.95


Silicon Valley VESA Local Bus Super I/O Card

- AT/compatible computers with VESA local bus.
- Hard disk data transfer rate is up to 50% faster.
- Supports up to four IDE hard disk drives: (two VESA IDE hard disks, and two ISA IDE hard disks)
- Allows you to use one ISA IDE tape drive in place of one ISA IDE hard disk
- Supports two floppy disk drives: 1.44MB, 1.2MB, 720KB and 360KB densities
- Dual serial communication ports: COM 1, COM 2, COM 3 or COM 4
- RS232 interface: 9 pin male connector • Parallel printer port
- Game port (cable not included.) • One year warranty

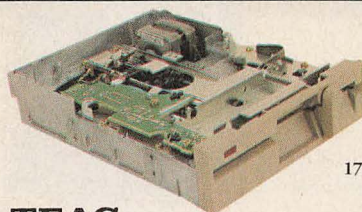


Part No.	Product No.	Description	1-9	10-24
101670	ADP90BVL	Super I/O Card	\$99.95	\$89.95

HARD DISK AND CONTROLLER SELECTION TABLE

HARD DISK DRIVES				HARD DRIVE CABLES*			HARD DISK DRIVE CONTROLLER (SELECT ONE)										5.25" BRACKET ASSEMBLY		
				See page 102 for more disk drive cables			PC/XT & PS/2 MOD 25 & 30 or Compatible HARD DISK SUPPORT ONLY			AT/286/386/486 or Compatible (16 Bit) HARD DISK SUPPORT ONLY			AT/286/386/486 or Compatible (16 Bit) HARD & FLOPPY SUPPORT					VESA Local Bus Motherboards HARD & FLOPPY SUPPORT	
PART NO.	DRIVE	PRICE	CAPACITY	40-Pin S-40-18-S 32686 \$5.95	34-Pin HD1 18622 \$3.95	20-Pin HD2 18665 \$2.95	Product# Part#	ADP50 10268	ADP20 10233	ADP60 10276	ADP20F 10250	ADP60F 10284	JE1066A 75820	ADP65F 67061	ADP90BVL 73630	74114	101670		
							Price	\$59.95	\$22.95	\$69.95	\$29.95	\$74.95	\$69.95	\$59.95	\$79.95	\$99.95	\$99.95		
							Interleave	—	—	—	1:1	—	1:1	1:1	1:1	1:1	1:1		
14058	CP3000 - IDE	\$169.95	40 MB	X				X	X	X	X	X		X	X	X	X		
14066	CP30084 - IDE	\$209.95	80 MB	X				X	X	X	X	X		X	X	X	X		
93286	CP30174E - IDE	\$249.95	170 MB	X				X	X	X	X	X		X	X	X	X		
93294	CP30254 - IDE	\$299.95	250 MB	X				X	X	X	X	X		X	X	X	X		
93307	CP30544 - IDE	\$749.95	545 MB	X				X	X	X	X	X		X	X	X	X		
22322	KL320 - MFM	\$149.95	20 MB		X	X							X				X		

* Included with hard disk drive controller



17101

TEAC

360KB and 1.2MB 5.25" Internal Floppy Disk Drives

17099 Specifications

- PC/XT/AT compatible
- 360KB, double-sided, double-density
- Color (faceplate): black
- Size: 5.75"W x 8.13"D x 1.63"H
- Weight: 2.1 lbs.
- One-year warranty

17101 Specifications

- PC/XT/AT compatible
- 1.2MB, double-sided, high density
- Color (faceplate): gray
- Size: 5.75"W x 8.13"D x 1.63"H
- Weight: 2.2 lbs.
- One-year warranty

Part No.	Product No.	Description	1-4	5-9
17099	FD55B	360KB Disk Drive	\$89.95	\$80.95
17101	FD55G	1.2MB Disk Drive	99.95	89.95

Toshiba 1.44MB 3.5" Internal Floppy Disk Drive



- PC/XT/AT and compatibles
- Compatible with DOS versions 3.3 or higher
- Compatible with the 19617 and 19668 interface cards (also 19895 & 19941)
- Automatically determines if disk is high or low density
- Includes all necessary installation hardware
- 1.44MB formatted high density mode
- 720KB formatted low density mode
- Size: 4"W x 5.9"D x 1"H (actual drive size)
- Weight: 1.3 lbs.
- One-year warranty

Part No.	Product No.	Description	1-9	10-24
40774	356KU	Disk Drive.....	\$79.95	\$71.95

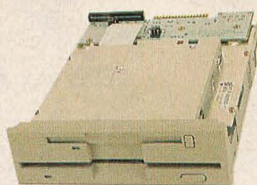
JAMECO[™] 5.25" to 3.5" Floppy Drive Adapter

NEW



Enables you to use a 5.25" floppy drive data cable with a 3.5" floppy drive. 5.25" drive connector: card type connector. Keyed for error-free installation. 3.5" drive connector: female 34 pin; 0.1" pin spacing.

Part No.	Description	1-9	10-24
100773	Floppy Drive Adapter	\$2.95	\$2.49



TEAC

3.5"/5.25" Combination Disk Drive

- PC/XT/AT and compatibles
- 3.5" and 5.25" disk drives in a 5.25" half height drive bay
- Compatible with DOS version 3.3 or higher
- Automatically determines if disk is high or low density
- Compatible with 19617, 19668, 19895, 19941
- Color (faceplate): gray
- Size: 5.75"W x 8"D x 1.125"H
- Weight: 2.1 lbs.
- One-year warranty

3.5" Disk Formats

- 1.44MB formatted high density mode
- 720KB formatted low density mode

5.25" Disk Formats

- 1.2MB formatted high density mode
- 360KB formatted low density mode

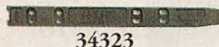
Part No.	Description	1-4	5-9
74392	Combination Disk Drive....	\$149.95	\$142.95

JAMECO[™] Half-Height Bezels



- Bezel fills the empty space left when mounting half-height disk drives in full height bays
- Color: (11295) black; (11324) gray

Part No.	Product No.	Description	1-9	10-24
11295	BEZEL	Black Bezel	\$2.49	\$2.25
11324	BE2H	Gray Bezel	2.49	2.25



34323



10743

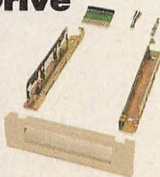
JAMECO[™] Disk Drive Mounting Rails

- AT and compatible computers
- Includes all necessary mounting hardware

Part No.	Product No.	Description	1-9	10-24
10743	ATRAIL	(4 mounting holes)	\$2.49	\$2.25
34323	UMR	(8 mounting holes)	2.95	2.49

JAMECO[™] Disk Drive Mounting Kit

- Disk drive mounting kit for mounting a 3.5" drive into a 5.25" slot
- Includes beige faceplate



Part No.	Product No.	Description	1-9	10-24
32088	SMK	Mounting Kit	\$12.95	\$11.49



TEAC

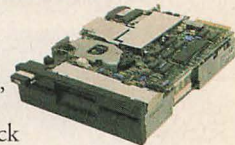
3.5" 2.88MB Disk Drive

- PC/XT/AT and compatibles
- Compatible with MS DOS version 5.0 or higher
- Automatically determines density of disk
- Can only be used with controllers that support 2.88MB drives (See page 92).
- 2.88MB formatted extended density mode
- 1.44MB formatted high density mode
- 720KB formatted low density mode
- Color: (faceplate) gray
- Size: 4"W x 5.9"D x 1"H
- Weight: 1 lb.
- One-year warranty

Part No.	Description	1-4	5-9
74384	3.5" 2.88MB Disk Drive	\$119.95	\$113.95

Epson 360KB 5.25" Floppy Disk Drive

- PC/XT/AT compatible
- 360KB, double-sided, double-density
- Color (faceplate): black
- Size: 5.75"W x 8.13"D x 1.63"H
- Weight: 2 lbs.



Part No.	Product No.	Description	1-9	10-24
79396	SD540	360KB Drive	\$59.95	\$53.95

JAMECO[™] Binder

It will accept up to 8.5" x 5.5" paper and has (3) 1.5" binder rings. Also includes a plastic frame that can be used as a binder stand.



Part No.	Product No.	Description	Price
19174	JEB	Binder	\$1.00



JAMECO[™] Mounting Plate for 5.25" Disk Drives

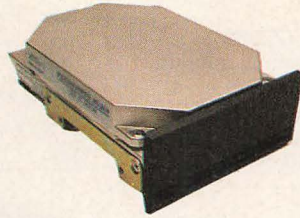
- PC/XT and compatible computers
- Mounts two 5.25" disk drives
- Includes all necessary mounting hardware

Part No.	Product No.	Description	1-9	10-24
33558	TMHD	Mounting Plate	\$2.95	\$2.49

KALOK Hard Disk Drive

The Kalok KL320 hard disk drive follows the industry standard for MFM technology. The drive features On-board diagnostics that monitor the power supply, the controller, and drive functions.

- 3.5" Hard disk drive
- 20MB storage
- 48ms access time
- MFM format (17 Sectors/Track)
- Weight: 2.6 lbs.
- 90-day warranty



Part No.	Product No.	Description	1-4	5-9
22322	KL320	20MB Hard drive	\$149.95	\$139.95

CONNER IDE Hard Drives PC/XT/AT and compatible computers

The Conner IDE (Integrated Drive Electronics) series is a high performance 3.5" hard disk drive designed for large storage capacity while providing the comparable performance of an ESDI hard drive.




14058

- Requires host IDE adapter
- Data transfer rate 1.25 mb/sec
- Automatic head parking
- Automatic error correction and retries
- TPI (Track Density) 1150
- Includes 5.25" bracket assembly and easy to follow instructions
- One-year warranty

Part No.	Product No.	Capacity	Weight	Speed	1-4	5-9
14058	CP3000	40MB	1.5 lbs.	25 ms	\$169.95	\$159.95
14066	CP30084	80MB	2.3 lbs.	25 ms	\$209.95	\$199.95
93286	CP30174E	170MB	1.3 lbs.	17 ms	\$249.95	\$234.95
93294	CP30254	250MB	1.3 lbs.	14 ms	\$299.95	\$279.95
93307	CP30544	545MB	1.2 lbs.	10 ms	\$749.95	\$719.95

See page 92 for floppy and additional computer cards!

HARD DISK AND CONTROLLER SELECTION TABLE

HARD DISK DRIVES				HARD DRIVE CABLES*			HARD DISK DRIVE CONTROLLER (SELECT ONE)										5.25" BRACKET ASSEMBLY		
				See page 102 for other disk drive cables.			PC/XT & PS/2 MOD 25 & 30 or Compatible HARD DISK SUPPORT ONLY			AT/286/386/486 or Compatible (16 Bit) HARD DISK SUPPORT ONLY			AT/286/386/486 or Compatible (16 Bit) HARD & FLOPPY SUPPORT					VESA Local Bus Motherboards HARD & FLOPPY SUPPORT	
PART NO.	DRIVE	PRICE	CAPACITY	40-Pin S-40-18-S 32686 \$5.95	34-Pin HD1 18622 \$3.95	20-Pin HD2 18665 \$2.95	Product# Part# Price Interleave	ADP50 10268 \$59.95 —	ADP20 10233 \$22.95 —	ADP60 10276 \$69.95 —	ADP20F 10250 \$29.95 1:1	ADP60F 10284 \$74.95 —	75820 \$69.95 1:1	JE1066A 67061 \$59.95 1:1	73630 74114 \$79.95 1:1	ADP65F 74114 \$99.95 1:1		ADP90BVL 101670 \$99.95 1:1	
14058	CP3000 - IDE	\$169.95	40 MB	X				X	X	X	X	X		X	X	X	X	X	
14066	CP30084 - IDE	\$209.95	80 MB	X				X	X	X	X	X		X	X	X	X	X	
93286	CP30174E - IDE	\$249.95	170 MB	X				X	X	X	X	X		X	X	X	X	X	
93294	CP30254 - IDE	\$299.95	250 MB	X				X	X	X	X	X		X	X	X	X	X	
93307	CP30544 - IDE	\$749.95	545 MB	X				X	X	X	X	X		X	X	X	X	X	
22322	KL320 - MFM	\$149.95	20 MB		X	X							X					X	
* Included with hard disk drive controller.																			

* Included with hard disk drive controller

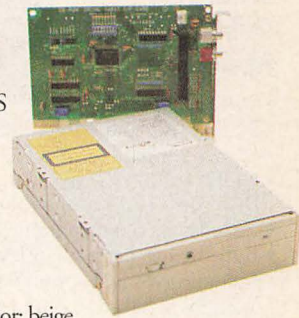


MITSUMI ELECTRIC CO., LTD.

Internal CD-ROM Drive

AT or compatible with a minimum of 640K RAM (2 MB RAM recommended), MS-DOS v. 3.1/compatible.

- Disk capacity: 630MB
- Data transfer Rate: 150KB/second
- Access time: 350 ms
- Includes headphone jack with volume control
- Slide out, top loading operation
- Dimensions: 8"L x 5.75"W x 1.62"H • Color: beige



System Requirements:

- An empty 5.25" half-height drive bay
- 16-bit bus slot

Package includes:

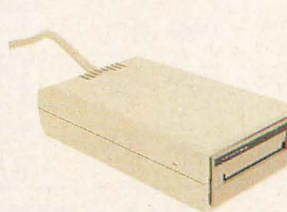
CD-ROM Drive, interface card, 40-pin interface cable, 4-pin audio (miniature coaxial) cable, CD-ROM software on both 3.5" diskettes, and instruction manual.

- Weight: 1.6 lbs.
- One year warranty

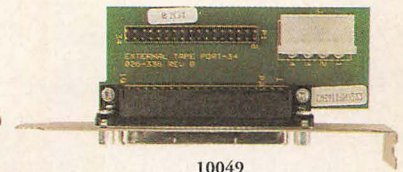
Part No.	Description	1-4	5-9
101311	CD-ROM Drive	\$199.95	\$189.95

COLORADO
MEMORY SYSTEMS INC.

DJ10 Tape Back-Up Accessories



22251



10049

- The KE10 includes an external drive enclosure, all necessary cables and all hardware required for external DJ10 installation

Part No.	Product No.	Description	1-9	10-24
22251	KE10	External mounting kit with AB11 adapter card	\$149.95	\$134.95
10049	AB11	External tape adapter board with cable	\$49.95	\$44.95
32782	TB40	40MB tape / 80MB compressed	\$14.95	\$13.49
32791	TB60	60MB tape / 120MB compressed	\$24.95	\$22.49

See page 93 for hard drive controller cards!

Jameco 2400 bps Modem



- 2400 baud
- PC/XT/AT and compatible computers
- Hayes compatible • 8 bit card
- CCIT V.22/V.22 bis and Bell 103/212A compatible
- Includes Bit Com communication software
- Built-in speaker and amplifier
- Includes two RJ11 modular phone jacks
- Weight: 1.5 lbs. • One year warranty

Part No.	Description	1-9	10-24
93198	Internal 2400 Baud	\$49.95	\$44.95



Adtech Micro Systems, Inc.
Innovations in Communications

Smart Connect 9624i Send & Receive FAX/ Modem



- 9600 bps FAX/2400 bps modem
- Easy to use menu-driven fax and data communications software
- Supports international CCITT and Bell standards
- Auto-install utility and external COM1-COM4 select
- Full duplex operation with automatic adaptive equalization
- Dual RJ11 jacks for phone
- V.42bis compression and MNP-5 error control for higher speeds
- FCC Class B and Part 68 certified and other international approvals
- Made in USA with a 5-year warranty

Part No.	Description	1-9	10-24
67598	Internal FAX/Modem	\$69.95	\$62.95



Auto - Switchers

TELE-SIGNAL

- Operates telephone/FAX/modem on a single line
- Eliminates need for costly dedicated FAX and modem lines
- Microprocessor controlled electronics for maximum reliability
- Simple "plug-in" installation for single line phones
- Compatible with all domestic phone systems, answering devices and FAX machines
- Links with both touchtone & rotary (pulse) phones
- Power to ring up to 5 extension phones
- Power outage and surge protection
- Approved by FCC, UL and CSA
- Weight: 2 lbs. • One-year warranty



76881

- Power to ring up to 5 extension phones
- Power outage and surge protection
- Approved by FCC, UL and CSA
- Weight: 2 lbs. • One-year warranty

Part No.	Product No.	Description	1-4	5-9
76873	Model 6000	Single phone line in with phone & FAX & separate answering machine.....	\$99.95	\$89.95
76881	Model 6500	Single phone line in with phone & Fax & separate modem	119.95	109.95

Jameco 3.5"/5.25" Disk Drive & Computer Cleaning Kits



15296

Cleaning Kit with vacuum (73285):

- Kit includes: 1 bottle of cleaning solution, twenty antistatic wipes, 1 bottle of head cleaner, five cleaning swabs, 3.5" & 5.25" head cleaning diskettes, and mini vacuum with attachments (requires 2 AA batteries).

Refills (15430/15536):

Included in kit:

- (1) Disk-Care Diskette
- (1) 18 ml. bottle of Disk Drive Head Cleaning Fluid

Cleaning Kit (15296):

- Kit includes 3.5" and 5.25" head cleaning diskettes plus one bottle of cleaning solution
- Kit includes one bottle of antistatic screen cleaning solution, 7 pre-soaked antistatic wipes for cleaning keyboards and screens, lint-free screen cleaning cloth and a handy plastic carrying case
- Size: 7.5" x 6.5"

Part No.	Product No.	Description	1-9	10-24
15430	DC3	3.5" Disk drive cleaning kit	\$2.95	\$2.49
15536	DC5	5.25" Disk drive head cleaning kit	2.95	2.49
15296	DCK	3.5"/5.25" Disk drive and computer cleaning kit	9.95	8.95
73285	DCV	Cleaning kit with Vacuum	16.95	14.95

Jameco FAX Cleaning Kit

Includes everything you need for do-it-yourself cleaning!

- Kit includes: 1 bottle of cleaning solution, 1 soft cleaning cloth, 51 cleaning swabs, 1 blower brush, 1 bar brush, 1 bottle of head cleaning solution, 1 package of antistatic cleaning papers
- Helps to increase life span of FAX machines



Part No.	Product No.	Description	1-9	10-24
73171	DCF	FAX cleaning kit...	\$9.95	\$8.95

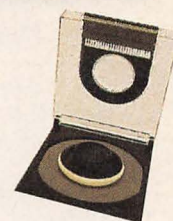
Jameco FAX Switcher

- Support a FAX machine and a phone line (including an answering machine) on a single telephone line
- No power supply required
- Reliable and safe from power surge
- Direct access to fax is possible by keypad
- Will automatically free line when calling party disconnects
- Ability to transfer call between fax and phone during communication
- "Pulse/Tone" compatible • One-year warranty



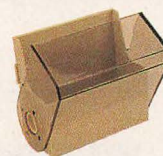
Part No.	Description	1-9	10-24
75547	FAX switcher	\$89.95	\$79.95

Jameco CD Cleaning Kit

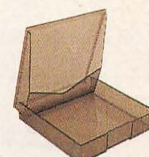


- Kit includes: 1 bottle of compact disk spray cleaner, CD cleaning base, cleaning pad and brush
- Eliminates fingerprints, oil, and soil which adhere to the CD and cause sound distortion.

Part No.	Product No.	Description	1-9	10-24
73031	CDK	CD cleaning kit....	\$7.95	\$6.95



14293
Fig. 1



26534
Fig. 2



15632
Fig. 3



35545
Fig. 4

Jameco 3.5" and 5.25" Diskette Security Files & Storage Boxes

- Protects disks from dust contamination

Part No.	Product No.	Capacity	Figure	Size	1-9	10-24
35537	YA40L	(40)	4	3.5" ..	\$4.95	\$4.49
14322	CT3100	(100)	4	3.5"	5.95	5.39
15632	DD150	(150)	3	3.5" ..	24.95	22.49
35545	YA50L	(50)	4	5.25" ...	5.95	5.39
35529	YA100L	(100)	4	5.25" ...	7.95	7.19
15641	DD180	(180)	3	5.25" ..	24.95	22.49
14293	CT3010	(10)	1	3.5"	1.95	1.75
26534	MP10	(10)	2	5.25" ...	1.95	1.75

Nashua and Jameco 3.5" and 5.25" Diskettes



- Manufacturer's full lifetime warranty
- 10 per box

Part No.	Product No.	Description	1-9	10-24
16264	DSDD	5.25" DSDD (Nashua)	\$4.95	\$4.69
16281	DSHD	5.25" DSHD (Nashua)	7.95	7.49
40580	3DS	3.5" DSDD (720KB) (Nashua)	7.95	7.49
40619	3HD	3.5" DSHD (1.44MB) (Nashua)	13.95	12.49
76734	3ED	3.5" DSED (2.88MB) (Jameco)	39.95	35.95

Jameco 3.5" Diskette Wallet

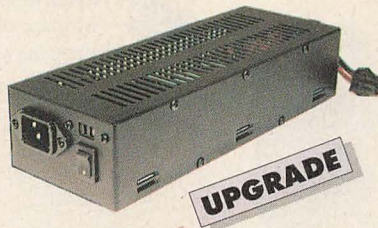


- Complete protection for portable data
- Holds up to (6) 3.5" diskettes
- Antistatic aluminum mylar shielded lining
- Index for file name listing
- Size: folds to 4.5" x 8.5" • Color: black

Part No.	Product No.	Description	1-9	10-24
34243	UG606	3.5" Diskette wallet..	\$6.95	\$5.95

Jameco Switching Power Supply for Apple II, II+ and IIe

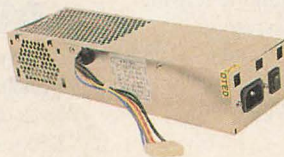
- Fully regulated +5V @ 5A, +12V @ 2.5A, -5V @ .5A, -12V @ .5A
- 60 watts • 110V/220V switchable
- Apple type plug-in power cord included
- Can drive four floppy disk drives and up to eight expansion cards
- Short circuit and overload protection
- Fits inside the Apple II, II+, IIe
- Same size as original power supply
- Size: 9.5"L x 3.6"W x 2.2"H • Weight: 2.8 lbs
- Data included • One-year warranty



Part No.	Product No.	Description	1-9	10-24
22269	KHP4007	Jameco Switching Power Supply for Apple II, II+ and IIe	\$49.95	\$44.95

Jameco Switching Power Supply for Apple IIGS

- Fully regulated +5VDC @ 6A, +12VDC @ 2A, -5VDC @ 0.5A, -12VDC @ 0.5A • 60 Watts • Input Voltage 115VAC
- 5.5' 3 pronged removable power cord included
- 6" output cable with 7 pin Molex connector
- 4 mounting holes • Size: 11.25"L x 3.44" W x 2.19" H
- Data included • Weight: 2 lbs • One-year warranty



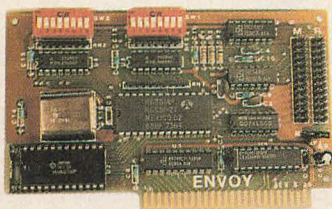
Part No.	Product No.	Description	1-9	10-24
85518	PSIIGS	Jameco Apple IIGS Switching Power Supply	\$69.95	\$62.95

Jameco Replacement Keyboard for Apple IIe

- Features all of the same keys as the original Apple IIe keyboard
- Includes connector and cable
- Apple IIe software compatible
- Includes cursor control and caps lock
- Color (keys): tan • Size: 13.75"L x 4.38"W x 1.25"H • Weight: 2.0 lbs.



Part No.	Product No.	Description	1-9	10-24
10436	AKB2E	Jameco Replacement Keyboard for Apple IIe	\$44.95	\$39.95

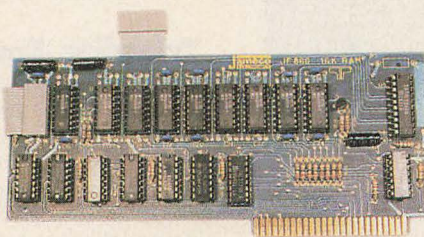


SMT
SYSTEMS MANUFACTURING TECHNOLOGY, INC.

Super Serial Card for Apple II, II+ & IIe

- High-speed (up to 19.2K baud) serial interface that will connect serial printers, plotters & modems
- Compatible with most operating systems and software designed for the Apple Super Serial Card™
- 6" serial adapter cable
- Weight: 0.7 lbs.
- Three-year manufacturer's warranty

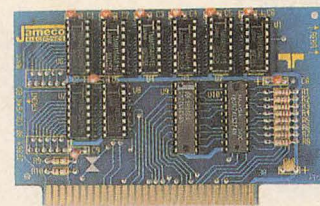
Part No.	Product No.	Description	1-9	10-24
10647	AP140	Serial card...	\$59.95	\$53.95



Jameco 16KB Language (RAM) Card for Apple II & II+

- Language (RAM) card expands from 48KB to 64KB
- Compatible with Microsoft Softcard
- Runs AppleSoft, DOS, CP/M and Pascal
- Complete with instructions
- Weight: 0.5 lbs.
- One-year warranty

Part No.	Product No.	Description	1-9	10-24
21709	JE860	16KB RAM card ..	\$49.95	\$44.95



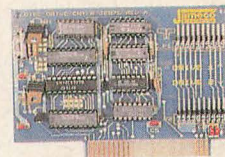
Jameco Extended 80 Column/64KB RAM Card for Apple IIe

- Doubles the amount of space to 64KB RAM
- Double high resolution graphics capability
- Instructions included
- Compatible with AppleWorks
- Weight: 0.25 lbs. • One-year warranty

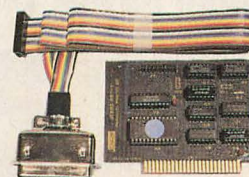
Part No.	Product No.	Description	1-9	10-24
21733	JE864	64KB RAM card	\$39.95	\$34.95

Jameco Floppy Controller Card for Apple II, II+, & IIe

- Capable of handling 1 or 2 drives (excluding Unidisk)
- Easy to install
- Complete with instructions
- Weight: 1 lb.
- One-year warranty



Part No.	Product No.	Description	1-9	10-24
21768	JE875	Floppy controller card	\$44.95	\$39.95



Jameco Parallel Printer Card for Apple II, II+, IIe & IIGS

- Centronics parallel printer interface
- Compatible with most Apple operating systems and software packages
- Includes 3 ft. parallel ribbon cable
- Weight: 1 lb. • One-year warranty

Part No.	Product No.	Description	1-9	10-24
21792	JE880	Parallel printer card ..	\$49.95	\$44.95

Jameco Cooling Fan for Apple II, II+ & IIe

- Line surge suppression
- Snaps on the side of Apple II, II+ and IIe enclosures
- Eliminates overheating problems thereby boosting reliability and operation life of computer
- Switch on front serves as power switch for fan and computer
- Includes two additional AC outlets
- Size: 7"L x 2.375"W x 4.25"H • Weight: 2.25 lbs.



Part No.	Product No.	Description	1-9	10-24
93171	APF	Cooling fan	\$39.95	\$34.95

See page 86 for Macintosh compatible dust cover!



19001



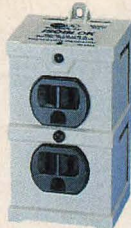
74544



18981



74456



74448

Tripp Lite ISOBAR® Surge Suppressors

The world's best known, most advanced surge suppressor is the only one with isolated filter banks to prevent connected equipment from interfering with each other. Lifetime manufacturer's warranty.

- The only surge suppressor with two UL listings: UL 1449 and UL 1283
- "Cascade" circuitry increases noise protection for sensitive devices
- Lifetime Gold Seal Warranty covers ISOBAR and connected equipment for life

Part No.	Product No.	Outlets	On/Off Switch	On/Off Light	Circuit Breaker	Weight	1-9	10-24
74448	ISOBLOK 2-0	2	No	Yes	No	0.6.....	\$29.95	\$26.95
74456	ISOBAR 2-6	2	Yes	Yes	No	1.8.....	\$39.95	\$35.95
18981	IB46	4	Yes	Yes	15 Amp	2.1.....	\$49.95	\$44.95
74544	ISOBAR 6	6	Yes	Yes	15 Amp	2.5.....	\$59.95	\$53.95
19001	IB815	8	Yes	Yes	15 Amp	3.2.....	\$69.95	\$62.95

Tripp Lite Power Control Centers

ISOBAR surge suppression in a low profile, sturdy metal design.

- UL 1449 and UL 1283 listed
- "PLUS" model features RJ11 jacks for modem/fax/telephone line protection
- Gold Seal Warranty covers CCI and connected equipment for life



Part No.	Product No.	Description	1-4	5-9
74552	CCI6	6-outlets	\$79.95	\$71.95
74587	CCI6PLUS	6-outlets, with RJ11 jack	\$89.95	\$79.95

Tripp Lite Brown Out Line Conditioners

LS/LC line conditioners automatically regulate and maintain output voltage for sensitive loads when input voltage varies.



22787

- Maintains load voltage at 120VAC ($\pm 5\%$) 96VAC to 138VAC range (LS600: 96VAC to 126VAC)
- 98% efficient regulation is 2% from no load to full load
- Response time: 1/2 cycle nominal, 3 cycle max.
- UL listed
- Two-year manufacturer's warranty

Part No.	Product No.	Description	Weight	Size (W" x D" x H")	1-4	5-9
24619	LS600	2 Outlet, 600 W/5A	6 lbs.	7.25 x 6.25 x 3.75..	\$99.95	\$89.95
22744	LC1200	4 Outlet, 1200 W/10A	10 lbs.	8.5 x 6.0 x 4.0.....	\$179.95	\$159.95
22787	LC1800	6 Outlet, 1800 W/15A	14 lbs.	8.5 x 8.5 x 5.25.....	\$249.95	\$224.95

NEW

Tripp Lite Power Miser-The World's First "Green" Surge Suppressor

Surge, spike and line noise protection teamed with energy saving monitor shut-off can pay for itself in as little as 6 months!

- Keyboard sensitive; turns off the monitor during periods of inactivity
- "Monitor-off" user selectable time
- Two-year warranty
- Instantaneous surge response w/ suppression up to 18,000 amp spikes

Part No.	Product No.	Description	1-9	10-49
102453	PM4	Energy saving surge suppressor....	\$69.95	\$62.95



Tripp Lite Fax/Modem Protector

Protect fax machines, modems, data and telephone lines.

- Two-year manufacturer's warranty

Part No.	Product No.	Description	1-9	10-24
28601	PMP	Modem/telephone protection	\$14.95	\$13.49

Tripp Lite Economy Surge Suppressors

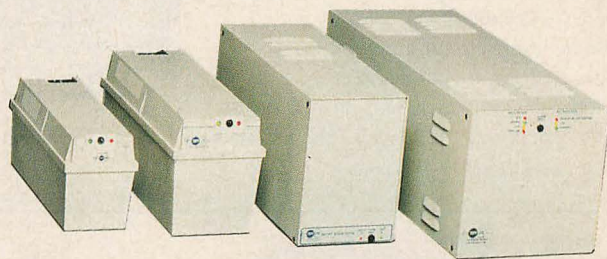
Effective spike and noise suppression.

- Handles up to 140 joule spikes at current levels up to 9500 amps (32045); 6500 amps (74430).
- 6 outlets
- Two-year manufacturer's warranty



74430

Part No.	Product No.	Application	1-9	10-24
32045	SK6-6	Spike and noise suppression.....	\$32.95	\$29.49
74430	STIK	Economy spike suppression	\$16.95	\$14.95



Tripp Lite Emergency Back-Up Systems

- Provides safe shut down for your computer equipment when your power fails. Enclosed heavy duty gel cell battery for 5 to 30 minutes of running time depending on your load
- Transfers from line to battery power within 2ms (less than 1/2 cycle)
- Attractive cabinet with four receptacles
- Full brownout and blackout protection
- Sounds audible alarm during power failure (BC250 excluded)
- AC line clamping of transient spikes and surges
- Built-in battery charger restores battery to full charge when AC power is restored
- Status indicator lights for line power and battery power
- Shipping: 75555/ 11252/ 75563 (1 Box); 75571 (2 Boxes)
- Two-year manufacturer's warranty

Part No.	Product No.	Description	Weight	Size (W" x D" x H")	1-4	5-9
75555	BC250	2 Outlet, 250 VA	18 lbs.	5 x 4.75 x 10.25	\$119.95	\$113.95
11252	BC500	4 Outlet, 500 VA	31 lbs.	6.5 x 5.25 x 14.....	\$239.95	\$215.95
75563	BC750LAN	4 Outlet, 750 VA	41 lbs.	8.5 x 6.75 x 17	\$369.95	\$339.95
75571	BC1250LAN	4 Outlet, 1250 VA	78 lbs.	10.5 x 7.5 x 18.....	\$549.95	\$519.95

Jameco AC On/Off Timer

- 120 VAC
- One on/off setting
- Weight: .5lb.
- Color: beige
- Size: 3.75"H x 2.625"W x 1.875"D

Part No.	Description	1-4	5-9
78553	Timer	\$3.95	\$2.95



Prevents appliance and equipment damage and loss of valuable data from voltage surges and noise interference.

Single Outlet Wall Plug-in

- Visual surge protection indicator
- Window green, unit ok
Window black, replace unit
- Size: 1.25"L x 1.25"W x 1.3"H
- Weight: 1 lb.



Part No.	Product No.	Description	1-9	10-24
99215	EP1	Single Outlet Plug-in	\$3.95	\$3.25

6 Outlet Wall Plug-in w/Telephone Protection



- Protected telephone line jacks (RJ-11)
- Indicator light shows surge protection is working
- Easily installs into wall outlet
- 6 ft. phone cord included
- Size: 4.75"L x 3.25"W x 1.25"H
- Weight: 2 lbs.

Part No.	Product No.	Description	1-9	10-24
99979	EP6M	6 Outlet Plug-in with Telephone Protection	\$9.95	\$8.95

Specifications:

Electrical rating: 15 Amp, 120 VAC, 60Hz
Protection devices: Metal oxide varistors
EMI/RFI noise rejection: up to 15dB
UL 1449 Suppressed voltage rating: 400 volts
Clamping response time: <5 nsec
Color: beige
Individually packaged for pegboard display

Call for OEM Pricing - U.S. Manufacturer

6 Outlet Wall Plug-in w/Cable TV Protection

- Protected coaxial "F" connector cable jacks
- Indicator light shows surge protection is working
- Easily installs into wall outlet
- 6 ft. coax "F" connector cable included
- Size: 4.75"L x 3.25"W x 1.25"H
- Weight: 2 lbs.



Part No.	Product No.	Description	1-9	10-24
99987	EP6C	6 Outlet Plug-in with Cable TV Protection	\$9.95	\$8.95

6 Outlet Wall Plug-in



- Indicator light shows surge protection is working
- Easily installs into wall outlet
- Size: 4.75"L x 3.25"W x 1.25"H
- Weight: 2 lbs.

Part No.	Product No.	Description	1-9	10-24
99291	EP6	6 Outlet Plug-in	\$5.95	\$4.95

7 Outlet Power Strip with 4 ft. Cord



- Audible alarm sound if surge protection is not functioning
- Master power switch
- Push-to-reset 15 Amp circuit breaker
- High-impact thermoplastic case
- Size: 3.25"L x 2.125"W x 1.125"H
- Weight: 2.2 lbs.

Part No.	Product No.	Description	1-9	10-24
98749	LR69225	7 Outlet Power Strip	\$9.95	\$8.95

Jameco Power Base

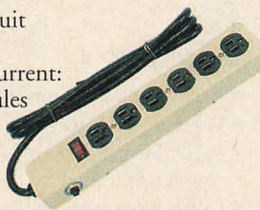
- Master power switch and 5 auxiliary (15 amps) switches for each outlet
- Three-prong power cord
- Maximum spike current: 6,500 amps, 80 joules
- Color: beige
- Size: 12"L x 12.75"W x 2.25"H
- Weight: 5.5 lbs.



Part No.	Product No.	Description	1-9	10-24
20159	JE1190	Power base	\$24.95	\$22.49

Jameco Six-Outlet Power Strip

- Built-in safety circuit breaker (15 amps)
- Maximum spike current: 4500 amps, 50 joules
- Three-prong, 6' power cord
- UL listed
- Color: beige
- Size: 12.25"L x 2.38"W x 1.25"H
- Weight: 2.1 lbs.



Part No.	Product No.	Description	1-9	10-24
20175	JE1191	Power strip	\$10.95	\$9.95

CTP 6 Volt Rechargeable Battery Pack

AT/286/386/486 and compatibles

- Battery pack is constantly recharged when the computer is turned on
- Maintains SETUP configuration for up to one year
- Has an expected life of over 10 years
- BATPAC provides an additional disk drive power lead—no power connector is lost
- Size: 2.3"L x 2.3"W x 1"H



Part No.	Product No.	Description	1-9	10-24
11172	BATPAC	Battery Pack	\$34.95	\$31.49



SYSTEMS MANUFACTURING TECHNOLOGY, INC.

No-Slot Clock

XT/AT, Apple IIe, IIc, IIgs & compatibles with a 28-pin socketed ROM

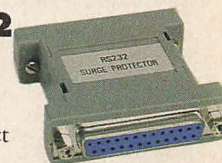
- Can be used in virtually any computer
- Contains two lithium batteries which will maintain time for over 10 years
- No slot required; uses ROM socket (transparent to ROM operations)
- Software and manual included
- Three-year manufacturer's warranty



Part No.	Product No.	Description	1-9	10-24
18956	IB137	No-Slot Clock	\$29.95	\$26.95

Jameco RS-232 Serial Surge Suppressor

- In-line adapter to protect serial devices
- Female DB25 to male DB25 adapter



Part No.	Description	1-9	10-24
72371	RS232 Serial Surge Suppressor	\$4.95	\$4.49

Jameco Solar Flashlight

This economical flashlight can be recharged using free energy from the sun. Versatile design allows you to recharge the batteries using either solar energy or an AC/DC adapter.



Solar Charging Time: 7-8 hrs.

Operating Time: (when fully charged) approx. 1 to 1.5 hrs.

- Color/Materials: Black plastic with red switch
- Requires two AA batteries (Recommend part #32627).
- Black cloth wrist strap.
- Size: 6.25"L x 2"W x 1.5"H
- Weight: 0.4 lbs.

Part No.	Product No.	Description	1-9	10-24
100239	SFL1	Solar Flashlight	\$15.95	\$14.49

ADVANTECH

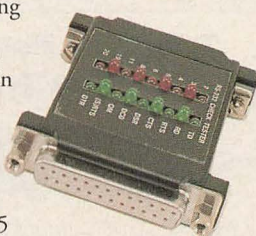
Application Cards for the PC-Multilab Card

• One-year warranty

Part No.	Description	1-9	10-24
28257	Relay output card.....	\$169.95	\$152.95
28249	Isolated D/I card.....	149.95	134.95
28281	Amplifier/Multiplexer card	289.95	259.95
28265	AC SSR & Relay card	179.95	159.95
28273	DC SSR & Relay card.....	189.95	169.95

JAMECO RS232 Interface Check Tester

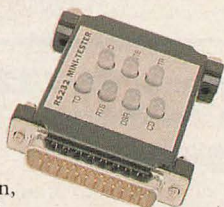
The Check Tester will help you avoid expensive repair calls by showing you simple interface problems which you can repair yourself. In seconds the 14285 will target the status of line 2, 3, 4, 5, 6, 8, 11, 19 and 20. The 14285 includes male to female DB25 connectors.



Part No.	Product No.	Description	1-9	10-24
14285	CT232	RS232 Interface check tester.....	\$11.95	\$10.49

JAMECO RS232 Mini Tester

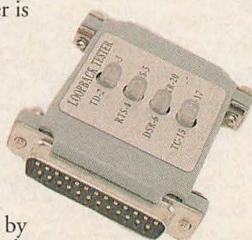
The Mini Tester is designed to test any RS232 (DB25) interface and to help identify equipment that has failed. The 26729 includes seven, bi-color LEDs which indicate the status of TD, RD, RTS, CTS, DSR, CD and DTR. The bi-color LEDs indicate positive (red) and negative (green). No extra power is required. Includes male to female DB25 connectors.



Part No.	Product No.	Description	1-9	10-24
26729	MT232	RS232 Mini tester....	\$9.95	\$8.95

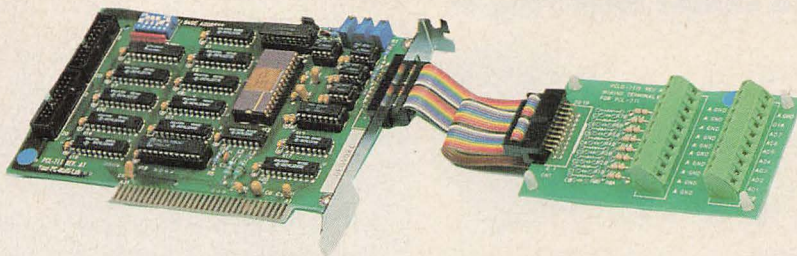
JAMECO RS232 Loopback Tester

The Loopback Tester is used for diagnostic testing of RS232 circuits. The tester consists of 4 LEDs which monitor lines 2 to 3, 4 to 5, 6 to 20 and 15 to 17. The tester acts as a data verifier by sending data back to the transmission device. Includes male to female DB25 connectors.



Part No.	Product No.	Description	1-9	10-24
22728	LBT	RS232 Loopback tester	\$9.95	\$8.95

ADVANTECH Your PC-MultiLab Card



The Perfect Solution for Your PC-Based Engineering I/O Needs... PC-Lab Cards

For programmable voltage output and measurement, transducer interfacing, waveform recording, contact closure monitoring and relay control.

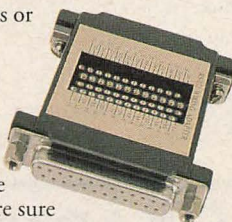
Features:

- 8 A/D inputs with 12-bit resolution
- $\pm 5V$ A/D input range
- 25KHz maximum A/D sampling rate
- One D/A output, double buffered
- 16 digital I/O, TTL compatible
- 20-point wiring terminal daughterboard
- LABTECH ACQUIRE software
- Weight: 3.2 lbs. • One-year warranty

Part No.	Product No.	Description	1-9	10-24
28290	PCL711S	Your PC-MultiLab Card	\$299.95	\$269.95

JAMECO Miniature RS232 Breakout Box

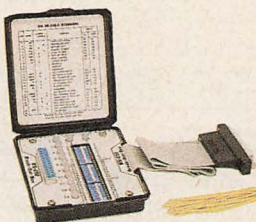
Design new interfaces or modify old ones quickly and easily. Completely self-contained, these boxes include (25) 22AWG wire jumpers and machine tool sockets so you are sure to have a good connection.



Part No.	Product No.	Description	1-9	10-24
11181	BBMF	Breakout Box	\$8.95	\$7.95

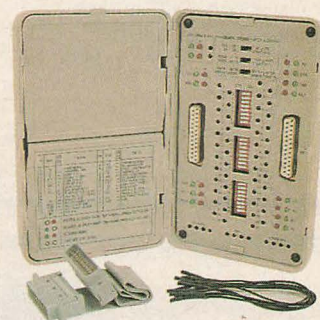
JAMECO Multilink RS232 Tester & Breakout Box

Allows cable makers to configure custom cables. The 25945 will visually let you know the status of lines 2, 3, 4, 5, 6, 8, 20 and 22 on the DTE side and DCE side by utilizing red/green bi-color LEDs. Provides signal status at a glance (four states: mark, space, clocking and off). Complete cable "breakout" and reconfiguration exists with 24 in-line switches and 54 in-line machine tool sockets. Includes handy carrying case, 10 jumper wires and a device wiring chart. Cable extends 4 inches from side of tester. Connectors: one male DB25 and one female DB25.



Part No.	Product No.	Description	1-9	10-24
25945	MLA1	Tester & Breakout Box	\$29.95	\$26.95

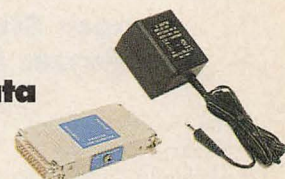
JAMECO RS232 and Centronics Testers



Part No.	Description	1-9	10-24
73445	Signal powered 4-state/RS232 tester.....	\$89.95	\$79.95
73488	Centronics tester.....	129.95	116.95
73509	Battery powered 4-state/RS232 tester.....	159.95	143.95
73517	RS232 cable tester with breakout box.....	199.95	179.95

JAMECO DB25-Pin Parallel Data Line Booster

- Extends parallel signal up to 50 feet
- Used on the DB25 end of your printer cable
- Extension cable should be 25-pin straight through and shielded
- Connectors: one male and one female DB25-pin
- Unit includes one 115VAC power adapter



Part No.	Product No.	Description	1-9	10-24
28556	PLB25	Parallel Booster	\$24.95	\$22.49



18446 Top View

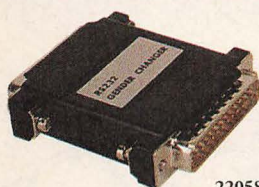


18446 Front View

Jameco Slim-Line Gender Changers

These revolutionary slim-line gender changers are only 0.69" wide, eliminating the space problems caused by standard gender changers. When plugged into your existing cable, they add only 0.44" to the cable.

Part No.	Product No.	Description	1-9	10-99
18497	GC9M	Interfaces two D-sub 9-pin female connectors.....	\$3.95	\$3.49
18489	GC9F	Interfaces two D-sub 9-pin male connectors.....	3.95	3.49
56071	GC15M	Interfaces two D-sub 15-pin female connectors.....	4.19	3.75
56063	GC15F	Interfaces two D-sub 15-pin male connectors.....	4.19	3.75
18446	GC25M	Interfaces two D-sub 25-pin female connectors.....	4.29	3.79
18420	GC25F	Interfaces two D-sub 25-pin male connectors.....	4.29	3.79
18471	GC37M	Interfaces two D-sub 37-pin female connectors.....	5.75	5.19
18462	GC37F	Interfaces two D-sub 37-pin male connectors.....	5.75	5.19



22058



19131

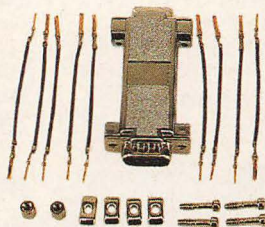
Jameco Standard Gender Changers

Standard 9, 25-pin and 36-pin D-subminiature male and female gender changers for interfacing two cables or connectors of the same gender.

Part No.	Product No.	Description	1-9	10-99
16635	D9PP	Interfaces two D-sub 9-pin female connectors.....	\$3.39	\$2.95
16643	D9SS	Interfaces two D-sub 9-pin male connectors.....	3.39	2.95
22058	JRSP	Interfaces two D-sub 25-pin female connectors.....	3.95	3.49
22074	JRSS	Interfaces two D-sub 25-pin male connectors.....	3.95	3.49
19131	JCENMM	Interfaces two 36-pin Centronics female connectors.....	4.95	4.49
19123	JCENFF	Interfaces two 36-pin Centronics male connectors.....	4.95	4.49

Jameco D-Sub 9 to 15-pin Monitor Adapter Kit

- Kit contains all components necessary to build a snap-together 9 to 15-pin monitor adapter, using the manufacturer's pin-out information
- Because of the variety of different VGA systems, pin configurations vary from manufacturer to manufacturer
- Connectors: Female DE9 to male DB15 high density
- No soldering is required



Part No.	Product No.	Description	1-9	10-99
10292	AD915	D-Sub 9 to 15-pin Monitor adapter kit.....	\$4.95	\$4.49

Jameco PS/2 Port to AT Compatible Serial Mouse Adapter

PS/2 and compatibles. Allows you to use an AT compatible serial mouse with a PS/2 computer. One male D-Sub 9 connector. One male 8 pin mini-DIN connector. Two retaining screws secure the connector in place. Retaining screws have plastic handles for easy attachment. • Color: Beige • Size: 1.6"L x 1.31"W



100335

Part No.	Description	1-9	10-99
100335	Serial Mouse Adapter	\$3.95	\$3.49

Jameco D-Sub 9 to 25-pin Serial Adapters

10305:

Female DE9 to male DB25 adapter. Serial adapter for use in AT or other computer systems that have 9-pin D-Sub serial ports.



10305

10321:

Male DE9 to female DB25 adapter.

Serial adapter for devices with a DE9-pin connector (mouse, etc.) on PC/XT computer systems which have DB25 serial ports.

Part No.	Product No.	Description	1-9	10-99
10305	AD925	DE9 female to DB25 male	\$4.49	\$3.95
10321	AD926	DE9 male to DB25 female	4.49	3.95

Jameco Full Handshaking Null Modem Adapters

Self-contained null-modem (cross-over) adapters. Change any standard straight cable into a null cable quickly and easily.

Internal pin configuration: 1-1, 2-3, 3-2, 4-5, 5-4, 6-20, 20-6, 7-7, 8-8.

26260



Part No.	Product No.	Description	1-9	10-99
26260	MNULM	DB25 male to DB25 male.....	\$4.49	\$3.95
26243	MNULF	DB25 male to DB25 female.....	4.49	3.95
17224	FNULF	DB25 female to DB25 female.....	4.49	3.95

Jameco BNC & F-type cables



85534



85577

- Color: Black

- Typical application: F connector (VCR); BNC connector (Oscilloscope)

Part No.	Description	1-9	10-99
85577	F-connector cable, 1.5 ft. long, RG59/U	\$1.49	\$1.25
85585	F-connector cable, 3.0 ft. long, RG59/U	1.95	1.49
85593	F-connector cable, 6.0 ft. long, RG59/U	2.49	1.95
102314	BNC (M) to BNC (M) Cable, 1.5 ft. long, RG/58U.....	2.95	2.65
11404	BNC (M) to BNC (M) Cable, 3.0 ft. long, RG/58U.....	3.95	3.49
102331	BNC (M) to BNC (M) Cable, 6.0 ft. long, RG/58U.....	4.95	4.49
86471	BNC (M) to BNC (M) Cable, 1.5 ft. long, RG/59U.....	2.95	2.65
85534	BNC (M) to BNC (M) Cable, 3.0 ft. long, RG/59U.....	3.95	3.49
85542	BNC (M) to BNC (M) Cable, 6.0 ft. long, RG/59U.....	4.95	4.49
102402	BNC (M) to BNC (M) Cable, 1.5 ft. long, RG/62U.....	3.49	2.95
102411	BNC (M) to BNC (M) Cable, 3.0 ft. long, RG/62U.....	4.95	4.49
102429	BNC (M) to BNC (M) Cable, 6.0 ft. long, RG/62U.....	5.95	5.35

See page 47 for additional BNC Cable Accessories

Jameco VGA Adapter

- Adapts 15-pin VGA to 9-pin output
- Male DA-15 to female DE9 adapter



Part No.	Description	9	10-99
75264	VGA Adapter.....	\$4.95	\$4.49

Jameco SCSI-II Terminator

- Terminator for new high density 50-pin connector
- Single-ended passive 50 position
- 150Ω Resistance
- Size: 2"L x 1.625"W x .625"H



Part No.	Description	1-9	10-49
73461	SCSI-II Terminator	\$22.95	\$19.95



Reduced Pricing!

73111

19019

32918

73015

Jameco Floppy Disk Drive Cables

- PC/XT/AT and compatible computers

For Controller Cards with Edge Connector

Part No.	Product No.	Description	1-9	10-24
19019	ICC	Internal cable for 2, 5.25" drives (27" long)....	\$3.95	\$3.25

For Controller Cards with Plug Connector

Part No.	Product No.	Description	1-9	10-24
19051	IFCC	Internal cable for 2 drives, 3.5" and 5.25" (27" long)	\$3.49	\$2.95
72661	AA-502	Internal cable for 2, 5.25" drives (23" long)	2.95	2.49
72670	AA-528	Internal cable for 1, 5.25" and 1, 3.5" drive (23" long)	3.49	2.95
73015	GCA30	Internal cable to connect tape drive to floppy controller and existing floppy cable (27" long)	6.95	5.95

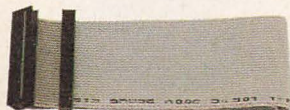
For Controller Cards with Edge or Plug Connector

Part No.	Product No.	Description	1-9	10-24
32918	TDC	Internal cable for 2 drives, 3.5" and 5.25" (27" long)	\$6.49	\$5.95
72784	AA-506	Internal cable for 1, 5.25" and 1, 3.5" drive (20" long)	3.49	2.95

External Cables with 37-pin D-Sub Connector

Part No.	Product No.	Description	1-9	10-24
16678	ECC	External cable for 2, 5.25" drives (42" long)	\$6.95	\$5.95
73111	DB37	Shielded 37-pin male external cable (6' long)	8.95	7.95

Socket to Socket Ribbon Cables



32651

- Plastic, Dual Row
- Socket to socket connection
- Pin 1 cable indicator
- Tin plated contacts

Part No.	Product No.	Contacts	Length	1-9	10-24	25-99
32539	S20-18-S	20	18"	\$2.95	\$2.25	\$1.95
32571	S26-18-S	26	18"	3.49	2.49	2.19
32651	S34-18-S	34	18"	4.25	2.95	2.49
32686	S40-18-S	40	18"	4.75	3.49	2.95
32715	S50-18-S	50	18"	5.25	3.95	3.25

18622

18665

Jameco Hard Disk Drive Cables

- PC/XT/AT and compatible computers
- To connect one hard disk, one 18622 and one 18665 are needed
- To connect two hard disks, one 18622 and two 18665s are needed

Part No.	Product No.	Description	1-9	10-24
18622	HD1	34-pin control cable (3' long) ..	\$3.95	\$3.49
18665	HD2	20-pin data cable (2' long)	2.95	2.49



72848

73162

Jameco SCSI Ribbon Cables

- PC/XT/AT and compatible computers

Part No.	Product No.	Description	1-9	10-24
72848	GCA29	50-pin SCSI socket ribbon cable (18" long).....	\$4.49	\$3.95
73226	AA803	50-pin external SCSI cable - 50-pin male parallel to 50-pin female interface (5.5' long)	14.49	12.95
73162	AA802	50-pin external SCSI cable - 50-pin male parallel to 50-pin male interface (6' long)	14.95	12.95
72936	AA801	High density SCSI cable - 25-pin male D-type to 50-pin male parallel interface (6' long).....	9.95	8.95

Jameco IDE Hard Drive Cable



- IDE hard drive socket ribbon cable
- Includes two socket headers for two IDE devices • 18" long

Part No.	Product No.	Description	1-9	10-24
72805	GCA28	IDE Cable	\$4.49	\$3.95

- 28 AWG Gray Flat Cable
- 105°C Rating
- 300V Rating

Jameco 3.5" and 5.25" Disk Drive Power Splitters

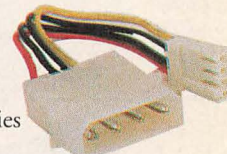
- PC/XT/AT and compatible computers
- Splits 4-line Molex male into 2 females
- Length: 5" each side

28353

Part No.	Product No.	Description	1-9	10-24
28353	PCY	5.25"	\$2.95	\$2.49
72303	PCY3	3.5"	2.49	2.25

Jameco 3.5" Disk Drive Power Adapter Cable

- PC/XT/AT and compatible computers
- Allows connection of standard 3.5" disk drives to power supplies
- Length: 3"



Part No.	Product No.	Description	1-9	10-24
28396	PC3	3.5" Disk Drive Power Adapter Cable	\$2.49	\$2.25

Jameco 3.5" Hard Disk Power Cable

PC/XT/AT and PS/2, and compatibles. Compatible with controller cards using a six pin header connector, including the ADP50, ADP60 and ADP60F. Provides power from a controller card to a hard disk drive.

- 1 female Molex style connector: 4 pins, white, nylon.
- 1 female, dual-row header connector: 6 pins, black, nylon.

Part No.	Description	1-9	10-24
85024	3.5" Hard disk power cable	\$2.49	\$1.95

Jameco PC Extender Pak!

- PC/XT/AT/PS2 and compatible computer
- Includes keyboard extension cable, power supply extension cord and monitor power adap.



Part No.	Description	1-9	10-24
73656	PC Extender Pak	\$7.95	\$6.95

Jameco Replacement Cables

Part No.	Product No.	Description	1-9	10-24
67387	JE1052ADP	Includes 9-pin TTL to composite RCA adapter...	\$2.95	\$2.49
67336	JE1071CAB	Includes 9-25 pin adapter, floppy cable, 10-pin header to DB-9 cable and 16-pin header to DB-15 cable	2.95	2.49
67361	JE1060CAB	Includes 9-25 pin adapter, 16-pin header to DB15 cable and bracket.....	2.95	2.49
67352	JE1065CAB	Includes 9-25 pin cable, 16-pin header to 15-pin cable and 2 brackets	2.95	2.49
67344	JE1078CAB	Includes 26-pin header to DB25 cable, 16-pin header to DB15	2.95	2.49
67379	JE1079CAB	Includes 10-pin header to 25-pin D-sub cable, 16-pin header to DB15 cable and floppy cable.....	2.95	2.49

Jameco Apple LocalTalk Network Kits



73269: 8 Pin Mini Din PhoneNet System Kit

- LocalTalk network kit for Apple Macintosh computers
- Uses PhoneNet (RJ-11) network cabling
- Includes: one LocalTalk network adapter, one 6 foot RJ-11 cable, and one male to male LocalTalk cable adapter
- Beige color

Part No.	Description	1-9	10-49
73269	8 pin PhoneNet system kit ...	\$17.95	\$15.95

73277: DB9 PhoneNet System Kit

- LocalTalk network kit for 128K and 512K Macintosh computers
- Uses PhoneNet (RJ-11) network cabling
- Includes: one LocalTalk network adapter, one 6 foot RJ-11 cable, one RJ-11 LocalTalk terminator
- Beige color

Part No.	Description	1-9	10-49
73277	DB9 PhoneNet system kit....	\$14.95	\$13.49

73306: 8 Pin Mini Din AppleTalk System Kit

- LocalTalk network kit for Apple Macintosh computers
- Uses Macintosh 3-pin network cables (not RJ-11 PhoneNet)
- Includes: one LocalTalk network adapter, one 6 foot LocalTalk cable, and one male to male LocalTalk cable adapter
- Beige color

Part No.	Description	1-9	10-49
73306	8 pin AppleTalk system kit	\$19.95	\$17.95

73293: DB9 AppleTalk System Kit

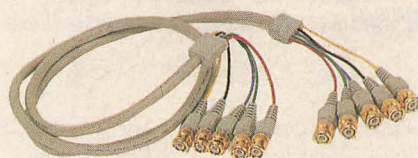
- LocalTalk network kit for 128K and 512K Macintosh computers
- Uses Macintosh 3-pin network cables
- Includes: one LocalTalk network adapter, one 6 foot cable, and one male to male LocalTalk cable adapter
- Beige color

Part No.	Description	1-9	10-49
73293	DB9 AppleTalk system kit ...	\$17.95	\$15.95

78191: DB25 AppleTalk System Kit

- LocalTalk network kit for Macintosh XL
- Uses Macintosh 3-pin network cables
- Includes: one LocalTalk DB25 network adapter, one 6 foot LocalTalk cable, and one male to male LocalTalk cable adapter

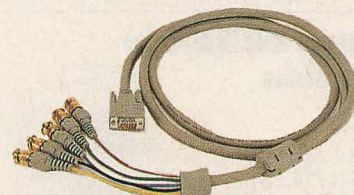
Part No.	Description	1-9	10-49
78191	DB25 AppleTalk system kit	\$19.95	\$17.95



Jameco RGB Video Cable

- 5 BNC to 5 BNC cable
- Length: 6 feet

Part No.	Description	1-9	10-49
73453	RGB video cable.....	\$12.95	\$11.49



Jameco RGB Video Cable

- 5 BNC to DA15-pin male
- Length: 6 feet

Part No.	Description	1-9	10-49
73648	RGB video cable.....	\$17.95	\$15.95

Jameco Apple or Macintosh Printer Cable

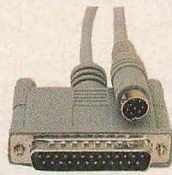
- Apple IIGS, Mac Plus, SE, II/Ix/Icx to ImageWriter II/LQ or LaserWriter II NT/NTX
- 8-pin male mini DIN to 8-pin male mini DIN
- Length: 6 feet



Part No.	Product No.	Description	1-9	10-99
10604	APC3	Printer cable ..	\$6.95	\$6.25

Jameco Apple or Macintosh Printer & Modem Cables

- Apple IIGS, Mac Plus, SE, II/Ix/Icx
- DB25 male to 8-pin male mini DIN
- Null wiring configuration (24686)
- Length: 6 feet



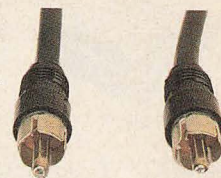
Part No.	Product No.	Description	1-9	10-99
24686	MAC1	Printer cable ..	\$6.95	\$6.25
10591	APC2	Modem cable...	6.95	6.25

Jameco Apple LocalTalk Accessories (see left column)

Part No.	Description	1-9	10-99
73381	3-pin male to male, 6' cable...	\$3.95	\$3.49
72733	3-pin male to RJ-11, 6' cable...	3.95	3.49
73040	3-pin male to male cable extender	3.95	3.49

Jameco Composite Monitor/ Audio RCA Cable

- RCA male to RCA male cable
- Video/audio applications
- Length: 10 feet



Part No.	Product No.	Description	1-9	10-99
29348	RCA10RCA	RCA cable	\$2.49	\$2.25

Jameco CGA Cable

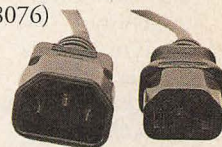
- RCA male to 2 pin header connector
- CGA composite video
- Length: 8 inches



Part No.	Description	1-9	10-99
85622	CGA cable	\$2.95	\$2.69

Jameco Power Supply Extension Cord

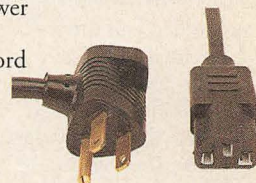
- Connects to the power supply cord (Jameco part no. 38050 or 38076) to extend an additional 6 feet
- Length: 6 feet
- 125 VAC at 10A



Part No.	Product No.	Description	1-9	10-99
28468	PEC	Extension cord ..	\$3.95	\$3.49

Jameco Computer Power Cord

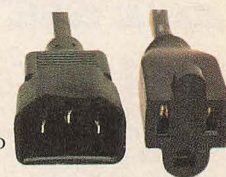
- Piggy backed power outlet socket
- 3 prong power cord
- 3 conductor 18 gauge cable
- Length: 6 feet
- Color: Black



Part No.	Description	1-9	10-99
84937	Computer Power Cord.....	\$2.95	\$2.49

Jameco Monitor Power Adapter Cable

- PC/XT/AT and compatible computers
- Allows connection of monitors direct to standard IBM type power supplies
- Length: 6 feet

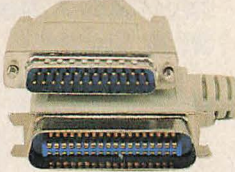


Part No.	Product No.	Description	1-9	10-99
26382	MPC6	Monitor power adapter cable ..	\$3.95	\$3.49

Jameco Parallel Printer Cables and Adapters



28695



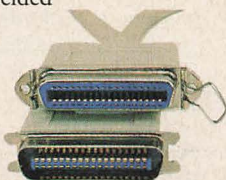
28741

- PC/XT/AT and compatibles to Centronics-type printers
- 28695/67547 (DB25 to 36-pin adapter)
- Molded and fully shielded DB25-pin male and 36-pin Centronics male connectors

Part No.	Description	1-9	10-24
28695	Adapter (DB25M to 36-pin male)	\$5.95	\$5.35
67547	Adapter (DB25F to 36-pin male)	6.95	6.25
28716	6' straight	4.95	4.49
28708	12' straight	8.95	8.19
101899	25' straight	13.95	12.49
28741	6' right angle Centronics	6.95	6.25

Jameco Centronics 36-Pin Printer Extension Cables

- Molded and fully shielded Centronics 36-pin male and female connectors
- Adds to standard printer cable or for use with switch box applications
- All lines connected

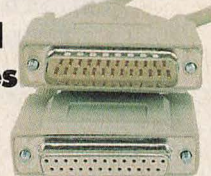


40782

Part No.	Description	1-9	10-24
40791	10' Male to male	\$12.95	\$11.49
40782	10' Male to female	12.95	11.49

Jameco Serial Modem Cables

- Molded and fully shielded DB25-pin male and female connectors
- 9 pins wired straight through: pins 1-8 and 20



25769

Part No.	Description	1-9	10-24
53962	6' Male to male	\$4.95	\$4.49
26008	10' Male to male	6.95	6.25
65779	25' Male to male	11.95	10.49
53858	6' Male to female	4.95	4.49
25769	10' Male to female	6.95	6.25
53938	25' Male to female	11.95	10.49

Jameco 9-Pin Serial Cable

- AT and compatibles
- DE9-pin serial ports which need to be converted to DB25-pin serial
- Molded DE9 female to DB25 male connectors
- Length: 6 feet



Part No.	Description	1-9	10-24
31721	6' Serial cable	\$4.95	\$4.49

Jameco CDB25-Pin Ribbon Cable Assemblies



12386

- Plastic D Type Connectors
- Pin 1 cable indicator
- Tin plated contacts
- 28 AWG Flat Cable
- 105°C Rating
- 300V Rating

Part No.	Length / Type	1-9	10-99
12440	4' Female to female	\$4.95	\$4.49
12386	4' Male to male	4.95	4.49
12343	10' Male to male	8.95	7.95
12407	4' Male to female	4.95	4.49
12360	10' Male to female	8.95	7.95

Jameco DB25-Pin Extension Cables

- Molded and fully shielded DB25-pin male and female connectors
- Adds to your standard serial cable or use for switch box applications
- All lines connected straight through



39511

Part No.	Description	1-9	10-99
65787	6' Male to male	\$5.95	\$5.35
39538	10' Male to male	8.95	8.19
67070	25' Male to male	17.95	15.95
67256	6' Male to female	5.95	5.35
39511	10' Male to female	8.95	8.19
101995	25' Male to female	17.95	15.95

Jameco IBM PS/2 Keyboard Adapter Cable (28003):

- Connects AT type keyboards to the PS/2
- 5-pin female DIN to 6-pin male mini DIN
- Length: 7.25" Color: beige (85500):



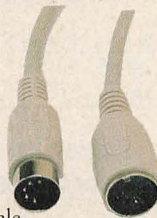
28003

- Connects PS/2 keyboard to AT compatible computer
- 6 pin female mini DIN to 5 pin male DIN connectors
- Flexible cable • Length: 8.5" • Color: beige

Part No.	Description	1-9	10-99
28003	Keyboard adapter cable	\$5.95	\$5.35
85500	Keyboard adapter cable	4.95	4.49

Jameco Keyboard Extension Cables

- 22234:
- PC/XT/AT/PS2 & compatible computers
- 5-pin male DIN to 5-pin female DIN connectors
- 5' coiled beige cord
- 28548:
- 6-pin male DIN to 6-pin female DIN connectors
- 5' beige cord

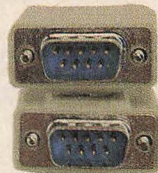


22234

Part No.	Description	1-9	10-99
22234	PC/XT/AT	\$6.95	\$6.25
28548	PS/2	4.49	3.95

Jameco Standard Monitor Cable

- PC/XT/AT and compatible computers
- For monochrome, RGB, EGA & multisync monitors
- Connects video card to monitor
- DE9 male to DE9 male
- Length: 6 feet



Part No.	Description	1-9	10-99
66157	6' Standard cable	\$5.95	\$5.35

Jameco Monitor Extension Cable

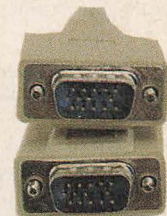
- PC/XT/AT and compatible computers
- For monochrome, RGB, EGA & multisync monitors
- Extends standard monitor cable
- DE9 male to DE9 female
- Length: 6 feet



Part No.	Description	1-9	10-99
25700	6' Extension cable	\$4.95	\$4.49

Jameco VGA Monitor Cable

- PC/XT/AT and compatible computers
- Connects video card to VGA monitor
- DA15 male to DA15 male
- Length: 6 feet



Part No.	Description	1-9	10-99
66173	6' Monitor cable	\$6.95	\$6.25

Jameco VGA Monitor Extension Cable

- PC/XT/AT and compatible computers
- Extends VGA monitor cable
- DA15 male to DA15 female
- Length: 6 feet



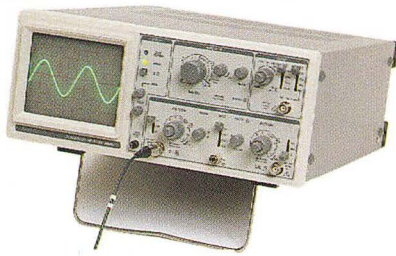
Part No.	Description	1-9	10-99
66165	6' Extension cable	\$5.95	\$5.35

Jameco IEEE-488 Cable

- 24-pin double sided IEEE-488 connectors
- Length: 3 feet • Color: grey



Part No.	Description	1-9	10-24
73154	IEEE-488 cable	\$39.95	\$35.95



GoldStar Precision

20MHz 2 Channel Oscilloscope

- 6" rectangular CRT with internal graticule & scale
- Bandwidth from DC to 20MHz
- Vertical deflection: 5mV/div to 5V/div in 10 calibrated steps
- Horizontal deflection: 0.2μS/div to 0.2S/div in 19 calibrated steps
- Max signal input voltage: 300V (DC and AC peak) or 250 Vpeak AC at 1KHz
- Power requirements: AC: 100/120/220/240 ±10%, 50/60/400 Hz, 55W
- Includes: two 40 MHz probes (X1 & X10), power cord, manual, schematics, block and wiring diagram
- Size: 12.6"L x 12.6"W x 6.8"H
- Two-year warranty

Part No.	Product No.	Description	1-4	5-9
18551	OS9020A	Oscilloscope	\$394.95	\$379.95

See page 75 for BNC assemblies, Oscilloscope probes and more!

GoldStar Precision

Function Generator

- Frequency range: .02 Hz to 2 MHz
- Waveforms: sine, triangle, square, ramp, TTL pulse, skewed sine
- Variable waveform/duty cycle symmetry
- Linear sweep control from 1:1 to 100:1
- DC offset voltage from 0 to ±10V can be superimposed to output waveform
- Output voltage: 20Vp-p (open circuit) 10Vp-p (into 50Ω)
- Power requirements: 110V/220V 50/60Hz, 20W
- Includes: power cord, BNC to clip cable, fuse and manual
- Size: 10"L x 8"W x 3"H • One-year warranty

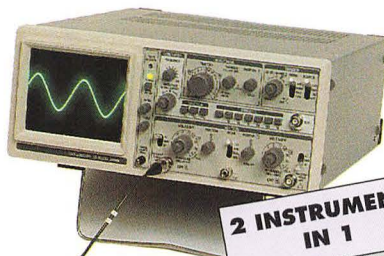
Part No.	Product No.	Description	1-4	5-9
66069	FG8002	Function generator..	\$189.95	\$179.95

GoldStar Precision

DC Power Supply

- Rugged Construction
- Output Voltage: 0-30V
- Output Current: 0-3A
- Output Polarity: positive and negative
- Low ripple voltage less than 2m Vp-p
- Overload protection circuit
- Series and parallel operation available
- Constant current and constant voltage operation
- Size: 4.75"W x 6.70"H x 8.67"D
- Weight: 11 lbs. • One-year warranty

Part No.	Product No.	Description	1-4	5-9
101928	GP303	DC Power Supply ..	\$249.95	\$236.95



GoldStar Precision

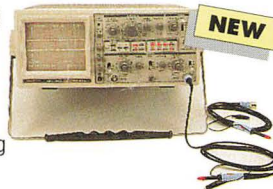
20 MHz Dual Trace with 1 MHz Function Generator

- Basic specifications same as OS-9020A (left) plus...
- 1 MHz function generator built in
- Frequency range: 0.1Hz to 1MHz (7 ranges)
- Output waveform: sine, triangle, square, TTL pulse
- Output impedance: 50 OHM
- Output voltage: 14VP-P
- Size: 12.6"L x 12.6"W x 6.8"H
- Two-year warranty

Part No.	Product No.	Description	1-4	5-9
94650	OS9020G	Function generator..	\$489.95	\$469.95

GoldStar Precision

Digital Storage Oscilloscope



Features include:

- Combination analog and digital modes
- 2 channel simultaneous sampling rates of 20MS/s
- 2k word capacity per channel
- Pretriggering
- Roll mode • Linear and Sine Interpolation
- CRT readout and cursor control
- Built in RS-232C interface for HP-GL output
- Meets IEC 348 safety requirements
- Size: 16.94"L x 12.69"W x 5.5"H
- Weight: 18.75 lbs. • Two-year warranty

Part No.	Product No.	Description	1-4	5-9
101910	OS3020	Oscilloscope.....	\$1295.95	\$1229.95

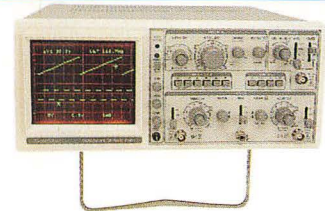


GoldStar Precision

2 MHz Sweep Function Generator with 4 Digit Green LED Frequency Counter

- General specifications same as FG-8002 (left) plus...
- Output impedance: 50 Ohm or 600 Ohm
- Counter: Frequency range: 2Hz to 2 MHz (Ext. 4MHz)
- Maximum input voltage: 150 VRMS at 1KHz
- Power requirements: AC 100/ 120/ 220/ 240V 50/60Hz
- Size: 10.25"L x 10"W x 3.15"H • One-year warranty

Part No.	Product No.	Description	1-4	5-9
94676	FG2002C	Function generator..	\$279.95	\$265.95



GoldStar Precision

40MHz 2 Channel Oscilloscope

- 6" rectangular CRT with internal graticule & scale
- Bandwidth from DC to 40MHz
- Vertical deflection: 5mV/div to 5V/div in 10 calibrated steps
- Horizontal deflection: time base A - 2μS/div to .2S/div in 19 calibrated steps time base B .2μS/div. to 20μS/div in 7 calibrated steps
- Max. signal input voltage: 300V (DC and AC peak)
- Power requirements: 110/120/220/240 ±10%, 50/60/Hz, 30-40W
- Includes: two 40 MHz probes (X1 & X10), power cord, manual, schematics, block and wiring diagram
- Size: 12.6"L x 12.6" W x 6.8" H
- Two-year warranty

Part No.	Product No.	Description	1-4	5-9
94668	OS9040D	Oscilloscope	\$689.95	\$649.95

GoldStar Precision

Frequency Counters

- 8 digit green LED display
- Resolution: .10 MHz to 10Hz
- Totalize RPM, period
- Gate time: 0.01s, 0.1s, 1s, 10s
- Input power: AC 110V/220V ±10%, 50/60Hz
- Includes: probes, two fuses and manual
- Size: 10.25"L x 10"W x 3.15"H
- One-year warranty



Part No.	Channel	Frequency Range
79476	A/B	0.2Hz-150MHz
55790	A B	0.2Hz-100MHz 50MHz-1.3GHz

Part No.	Product No.	Description	1-4	5-9
79476	FC2015	150MHz Freq. counter.	\$249.95	\$237.95
55790	FC2130	1.3GHz Freq. counter.....	\$279.95	\$265.95

GoldStar Precision

3-3/4 Digit 3200 Count Auto and Manual Ranging Multimeter

Features:

- AC/DC Voltage: 750V/1000V
- AC/DC Current: 10A
- Resistance Range: 32 MΩ
- Data hold mode
- Diode test
- Size: 3.75"W x 1.75"D x 7.62"H
- Weight: 1.65 lbs. • One-year warranty



Part No.	Product No.	Description	1-4	5-9
101936	DM333	Multimeter.....	\$74.95	\$67.49

METEX®

Handheld Digital Multimeters

3 1/2 Digit Digital Multimeter .5" High Digits • LCD Readout

RANGE	ACCURACY	RESOLUTION
AC VOLTAGE		
200mV	±1.2% of reading	100µV
2V		1mV
20V	±0.8% of reading	10mV
200V		100mV
700V	±1.2% of reading	1V
DC VOLTAGE		
200mV		100µV
2V		1mV
20V	±0.5% of reading	10mV
200V		100mV
1000V		1V

RANGE	ACCURACY	RESOLUTION
AC CURRENT		
20µA		10nA
200µA	±1.0% of reading	100nA
2mA		1µA
20mA		10µA
200mA	±1.8% of reading	100µA
2A		1mA
20A	±3.0% of reading	10mA
DC CURRENT		
20µA		10nA
200µA	±0.5% of reading	100nA
2mA		1µA
20mA		10µA
200mA	±1.2% of reading	100µA
2A		1mA
20A	±2.0% of reading	10mA

RANGE	ACCURACY	RESOLUTION
RESISTANCE		
200Ω	±0.5% of reading	0.1Ω
2KΩ		1Ω
20KΩ	±0.5% of reading	10Ω
200KΩ		100Ω
2MΩ		1KΩ
20MΩ	±1.0% of reading	10KΩ



27115:

- Measures: AC/DC voltage, AC/DC current, resistance, diodes, transistor HFE, audible continuity test
- Auto zeroing
- Input impedance: 10MΩ
- Overload protection: 1000VAC/VDC
- Unit comes complete with probes, batteries, carrying case & manual
- Size: 3.5"W x 1.25"D x 6.75"H
- Weight: 1.4 lbs.
- One-year warranty

27078/27086/27158:

- 3 1/2 digit LCD (Models M3610, M3650)
- 4 1/2 digit LCD (Model M4650)
- Data hold switch (Model M4650)
- Measures: AC/DC voltage, AC current (2mA to 20A), DC current (200 µA to 20 A), resistance, diodes, transistor HFE, audible continuity test frequency and capacitance (Models M3650/M4650)
- Auto-zeroing • Sturdy case
- Input impedance: 10MΩ
- Overload protection: 1000VAC/VDC
- Units come complete with probes, batteries, carrying case and manual
- Size: 3.5"W x 1.5"D x 7"H
- Weight: 1.7 lbs.
- One-year warranty

Jumbo Digital Multimeters .7" High Digits • 3 1/2 and 4 1/2 Digit LCD

AC Voltage (for M3610, M3650 and M4650)

RANGE	ACCURACY		RESOLUTION	
	M3610/M3650	M4650	M3610/M3650	M4650
200mV	±1.2% of reading		100µV	10µV
2V			1mV	100µV
20V	±0.8% of reading	±0.5% of reading	10mV	1mV
200V			100mV	10mV
750V	±1.2% of reading	±0.8% of reading	1V	100mV

DC Voltage (for M3610, M3650 and M4650)

RANGE	ACCURACY		RESOLUTION	
	M3610/M3650	M4650	M3610/M3650	M4650
200mV			100µV	10µV
2V			1mV	100µV
20V	±0.3% of reading	±0.5% of reading	10mV	1mV
200V			100mV	10mV
1000V	±0.3% of reading	±0.1% of reading	1V	100mV

Resistance (for M3610, M3650 and M4650)

RANGE	ACCURACY		RESOLUTION	
	M3610/M3650	M4650	M3610/M3650	M4650
200Ω	±0.5% of reading	±0.2% of reading	0.1Ω	0.1Ω
2KΩ			1Ω	0.1Ω
20KΩ	±0.5% of reading	±0.15% of reading	10Ω	1Ω
200KΩ			100Ω	10Ω
2MΩ			1KΩ	100Ω
20MΩ	±1% of reading	±0.5% of reading	10KΩ	1KΩ

Capacitance (for M3650 and M4650 only)

RANGE	ACCURACY	RESOLUTION	
	M3650/M4650	M3650	M4650
2000pF		1pF	0.1pF
200nF	±2% of reading	100pF	10pF
20µF	±3% of reading	10nF	1nF

Frequency (for M3650 and M4650 only)

RANGE	ACCURACY	RESOLUTION	
	M3650/M4650	M3650	M4650
20KHz		10Hz	1Hz
200KHz	±2% of reading	100Hz	10Hz

Part No.	Product No.	Description	1-9	10-24
27115	M3800	3 1/2 Digit Digital Multimeter (.5" High LCD Readout)	\$39.95	\$35.95

See page 76 for additional meters

Part No.	Product No.	Description	1-9	10-24
27078	M3610	3 1/2 digit multimeter	\$59.95	\$53.95
27086	M3650	3 1/2 digit with frequency/capacitance measurement	69.95	62.95
27158	M4650	4 1/2 digit with frequency/capacitance measurement & data hold switch	99.95	89.95

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• Credit Department • Technical Support

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